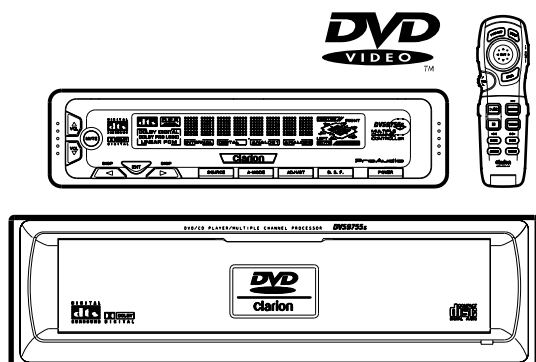


# Service Manual



## DVD/CD Player/Multiple Channel Processor

Model **DVS970Z**  
(PE-2360E)

Model **DVS9755z**  
(PE-2359B)  
FOR U.S.A.  
(PE-2359K)  
FOR OTHER COUNTRIES

## SPECIFICATIONS

### DVD player section

System: Digital Versatile Disc System with CDDA Capable  
Usable Discs: DVD Video Disc, Compact Disc  
Frequency Response: 20 Hz to 20kHz (± 1dB)  
S/N Ratio: 100dB  
Dynamic Range: 100dB  
Distortion: 0.01% THD  
Channel Separation: 80dB

### Audio section

S/N Ratio: 100dB(digital input)  
100dB(analog input)  
Frequency characteristics: 20 Hz to 20kHz (± 1dB)  
Separation: 90dB(digital input)  
80dB(analog input)

### High frequency distortion:

0.01%(digital input)  
0.01%(analog input)

Analog output: 4.0Vrms(Vol Max.)

Analog input: 2.0Vrms(Max.)

Digital input: 44.1kHz sampling,  
16-bit digital audio data

DSF: 6 modes

P.EQ: 3 bands × 2(front/rear independent)  
Fo: 20 Hz to 20kHz  
1/3 octava steps  
Q: 1 to 20  
G: ± 12dB

Preset front; 6types

Rear; 7types

Subwoofer voltage gain; + 12dB  
(M.Vol Max.)

LPF Fo; 50 Hz, 80Hz, 120Hz

LPF slope; 12, 18, 24 dB/oct

### General

Power supply voltage: DC14.4V(10.8 to 15.6V allowable)  
Negative ground

Current consumption: Less than 3A

Dimensions(mm): 178(W) × 50(H) × 165(D)

Weight: about 1.6kg

### Remote control unit

Dimensions(mm): 47(W) × 142(H) × 32(D)

Weight: 30g(including battery)

Specifications and design are subject to change without notice for further improvement.

## COMPONENTS

### PE-2359B-A

DVD disc unit	- - - -	1
Control unit	- - - -	1
Control unit cord	855-2464-00	1
Power supply harness	854-6377-50	1
Fuse (3A)	120-0030-00	1
Parts bag(1)	921-9596-00	1
Set screw(M2.6x4)	714-2604-80	1
Cord clamps(small)	321-1024-00	1

Double sided tape for brackets(30x140)	345-7030-00	1	Strap	300-4976-00	1
Lead holder(L99)	335-0833-01	3	Outer escutcheon	370-9006-03	1
Cord holder	321-1026-00	2	<b>PE-2360E-A</b>		
Velcro tape(large A)	348-0327-00	2	DVD disc unit	- - - - -	1
Velcro tape(small B)	348-0326-00	2	Control unit	- - - - -	1
M5 wing nuts	724-6000-11	4	Control unit cord	855-2464-00	1
Installation bolt(M5x6)	714-5006-41	4	Power supply harness	854-6377-50	1
Double sided tape for remo-con holder(25x50)			Fuse (3A)	120-0030-00	1
	347-5559-00	1	Parts bag(1)	921-9600-00	1
Installation bolt(M5x6 counter sunk)			Set screw(M2.6x4)	714-2604-80	1
	716-1561-01	4	Cord clamps(small)	321-1024-00	1
Parts bag(2)	921-9597-00	1	Double sided tape for brackets(30x140)		
Hook plate	330-8216-01	2		345-7030-00	1
Side spring	750-2796-02	2	Lead holder(L99)	335-0833-01	3
Rubber cap	345-3653-20	1	Cord holder	321-1026-00	2
Rear bolt	716-0726-01	1	Velcro tape(large A)	348-0327-00	2
Machine screw(M5x6)	714-5006-41	2	Velcro tape(small B)	348-0326-00	2
Bracket with bolt	300-9548-03	2	M5 wing nuts	724-6000-11	4
Main unit bracket	300-9683-01	2	Installation bolt(M5x6)	714-5006-41	4
Remote control	RCB-037-130	1	Double sided tape for remo-con holder(25x50)		
Batteries for remote control(AAA)	- - - - -	2		347-5559-00	1
Remote control holder	335-6146-00	1	Installation bolt(M5x6 counter sunk)		
Universal mounting bracket	300-9035-01	1		716-1561-01	4
Strap	300-4976-00	1	Parts bag(2)	921-9622-00	1
Outer escutcheon	370-9006-03	1	Ferrite core(small)	060-8041-00	1
<b>PE-2359K-A,B</b>			Ferrite core(large)	060-8042-00	2
DVD disc unit	- - - - -	1	Bracket with bolt	300-9548-03	2
Control unit	- - - - -	1	Main unit bracket	300-9683-01	2
Control unit cord	855-2464-00	1	Remote control	RCB-037-400	1
Power supply harness	854-6377-50	1	Batteries for remote control(AAA)	- - - - -	2
Fuse (3A)	120-0030-00	1	Remote control holder	335-6146-00	1
Parts bag(1)	- - - - -	1	Universal mounting bracket	300-9035-01	1
Set screw(M2.6x4)	714-2604-80	1	Strap	300-4976-00	1
Cord clamps(small)	321-1024-00	1	Outer escutcheon	370-9006-03	1
Double sided tape for brackets(30x140)			<b>NOTE</b>		
	345-7030-00	1	We cannot supply PWB with component parts in principle. When a circuit on PWB has failure , please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.		
Lead holder(L99)	335-0833-01	3	This product incorporates copyrigh protection technology that is protected by methon claims of certain U.S.patents and other intellectual property rights owners.Use of this copyright protection tecnology must be authorized by Macrovision Corporation,and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation.		
Cord holder	321-1026-00	2	Reverse engineering or disassembly is prohibited.		
Velcro tape(large A)	348-0327-00	2	Manufactured under license from dolby Laboratories.		
Velcro tape(small B)	348-0326-00	2	"Dolby","Pro Logic"and duble-D symbol are trademarks of Dolby Laboratories.		
M5 wing nuts	724-6000-11	4	Works. c 1992-1997 Dolby Laboratories,Inc.All rights reserved.		
Installation bolt(M5x6)	714-5006-41	4	Manufactured under license from Digital Theater Systems,Inc.US Pat.5,451,942 5,956,674 5,974,380 5,978,762 and other world-wide patents issud and pending.		
Double sided tape for remo-con holder(25x50)			"DTS"and"DTS Digital surround"are registered trademarks of Digital Theater Systems,Inc. c 1996,2000 Digital Theater Systems,Inc.All Rights Reserved.		
	347-5559-00	1	Prevent damage caused by static electricity when repairing the pick-up.		
Installation bolt(M5x6 counter sunk)			The pattern of the pick-up is short-circuiting for preven-		
	716-1561-01	4			
Parts bag(2)	- - - - -	1			
Hook plate	330-8216-01	2			
Side spring	750-2796-02	2			
Rubber cap	345-3653-20	1			
Rear bolt	716-0726-01	1			
Machine screw(M5x6)	714-5006-41	2			
Parts bag(3) (only K-A)	- - - - -	1			
Ferrite core(small)	060-8041-00	1			
Ferrite core(large)	060-8042-00	2			
Bracket with bolt	300-9548-03	2			
Main unit bracket	300-9683-01	2			
Remote control	RCB-037-400	1			
Batteries for remote control(AAA)	- - - - -	2			
Remote control holder	335-6146-00	1			
Universal mounting bracket	300-9035-01	1			

tion.

Remove the soldering with a solder iron whose insulation resistance is larger than 10M (DC500V) after complete connection to the main PWB

For repair table shall use copper or conductive sheet (with impedance is lower than 1G )such as a sheet. Be sure to put on a wrist-strap for prevent electric static's.(with impedance lower than 100M ) The strap works to drain away the static electricity build-up on the human body.

And as static electricity build-up on clothes is not drained away, be careful and not your clothes to touch the pick-up.

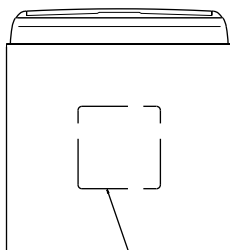
Position of short soldering for pick-up protection position is different by model.

Some units have two short soldering points.

Always short LD circuit to open the short circuit and removes by soldering iron.

## CAUTION

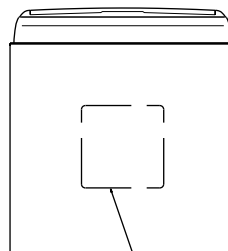
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio/TV technician for help.



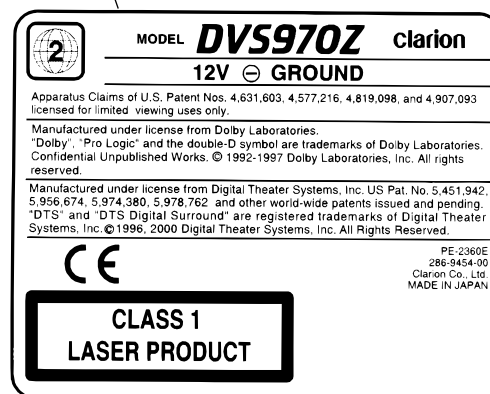
Top View of model



This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT". To use this model properly, read this Owner's Manual carefully and keep this manual for your future reference. In case of any trouble with this player, please contact your nearest "AUTHORIZED service station". To prevent direct exposure to the laser beam, do not try to open the enclosure.



Top View of model



## To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

### 1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as re-modeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

### 2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

### 3. Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary

problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

4. Caution in removal and making wiring connection to the parts for the automobile.

Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

5. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

6. Cautions in handling flexible PWB

Before working with a soldering iron, make sure that the iron tip temperature is around 270 . Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

8. Cautions in checking that the optical pickup lights up.

The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.

9. Cautions in handling the optical pickup

The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

- 9-1. Laser diode

The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

- 9-2. Actuator

The actuator has a powerful magnetic circuit. If a magnetic material is put close to it, its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

- 9-3. Cleaning the lens

Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

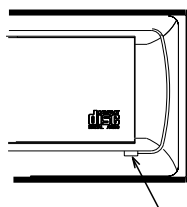
## ERROR DISPLAYS

If an error occurs, one of the following displays is displayed.

Take the measures described below to eliminate the problem.

Error Display	Cause	Measure
ERROR 2	A DVD/CD is caught inside the DVD deck and is not ejected.	This is a failure of DVD deck's mechanism.
ERROR 3	A DVD/CD cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
ERROR 6	A DVD/CD is loaded upside-down inside the DVD deck and does not play.	Eject the disc then reload it properly.

If an error display other than the ones described above appears, press the reset button. If the problem persists, turn off the power.



Reset button.



# EXPLANATION OF IC

052-5041-02 TMP95CW64F-3A88(Z) DVD Mechanizm controller

## 1.Terminal Description

pin 1 : Vref	: - : Reference voltage
pin 2 : A VSS	: - : Analog ground.
pin 3 : A VCC	: - : Positive supply voltage for the internal analog section.
pin 4 : NU	: - : Not in use.
pin 5 : NU	: - : Not in use.
pin 6 : NMI_	: IN : Connect to pin-7.
pin 7 : EJECT	: IN : Eject signal input. Negative logic.
pin 8 : A MUTE	: O : Audio mute signal output.
pin 9 : SYS P 1	: O : Power supply-1 control signal output.
pin 10 : NU	: - : Not in use.
pin 11 : RESET OUT_	: O : Reset signal output.
pin 12 : T SCAN 0	: O : Test mode scan output.
pin 13 : T SCAN 1	: O : Test mode scan output.
pin 14 : T SCAN 2	: O : Test mode scan output.
pin 15 : T SCAN 3	: O : Test mode scan output.
pin 16 : MCW	: O : Loading motor control output.
pin 17 : MCCW	: O : Loading motor control output.
pin 18 : NU	: - : Not in use.
pin 19 : NU	: - : Not in use.
pin 20 : CS 0_	: O : Chip selection signal output.
pin 21 : CS 1_	: O : Chip selection signal output.
pin 22 : NU	: - : Not in use.
pin 23 : M MUTE	: O : M MUTE.
pin 24 : NU	: - : Not in use.
pin 25 : VCC	: - : Positive supply voltage.
pin 26 : VSS	: - : Negative supply voltage.
pin 27 : X 1	: - : Crystal connection.
pin 28 : X 2	: - : Crystal connection.
pin 29 : EX ACCESS_	: IN : External access selection.
pin 30 : RESET	: IN : Reset signal input. Negative logic.
pin 31 : ACC CONT	: IN : ACC control signal input.
pin 32 : NU	: - : Not in use.
pin 33 : TIME	: O : Loading time & Eject time control output.
pin 34 : FGPULSE	: IN : FG pulse input.
pin 35 : S BRAKE	: O : Brake command output to the disk-motor.
pin 36 : NU	: - : Not in use.
pin 37 : DSP INT	: IN : Interrupt signal input.
pin 38 : NU	: - : Not in use.
pin 39 : PLL A	: O : PLL control output.
pin 40 : PLL B	: O : PLL control output.
pin 41 : M INT_	: IN : Interrupt signal input.
pin 42 : NU	: - : Not in use.
pin 43 : AT RESET	: O : Reset signal output.
pin 44 : VCC	: - : Positive supply voltage.
pin 45 : D 0	: I/O : Data input / output.
pin 46 : D 1	: I/O : Data input / output.
pin 47 : D 2	: I/O : Data input / output.
pin 48 : D 3	: I/O : Data input / output.
pin 49 : D 4	: I/O : Data input / output.
pin 50 : D 5	: I/O : Data input / output.
pin 51 : D 6	: I/O : Data input / output.
pin 52 : D 7	: I/O : Data input / output.
pin 53 : RS	: O : Test mode LCD driver control RS.
pin 54 : R/W	: O : Test mode LCD driver control R/W.
pin 55 : E	: O : Test mode LCD driver control E.
pin 56 : NU	: - : Not in use.
pin 57 : DB 4	: I/O : Test mode LCD driver control DB.
pin 58 : DB 5	: I/O : Test mode LCD driver control DB.
pin 59 : DB 6	: I/O : Test mode LCD driver control DB.
pin 60 : DB 7	: I/O : Test mode LCD driver control DB.
pin 61 : AM 8	: O : Connect to VCC.
pin 62 : VSS	: - : Negative supply voltage.
pin 63 : VCC	: - : Positive supply voltage.
pin 64 : BUSY	: O : Busy flag output.

pin 65 : DVD/CD	: O : Disk distinction signal output.
pin 66 : LAYER	: O : DVD type signal output (single layer/dual layer).
pin 67 : PREVENT	: IN : Prevent Japan.
pin 68 : CHUCK SW_	: IN : Chucking switch signal input.
pin 69 : TR A	: IN : Photo sensor signal input.
pin 70 : TR B	: IN : Photo sensor signal input.
pin 71 : TR C	: IN : Photo sensor signal input.
pin 72 : NU	: - : Not in use.
pin 73 : NU	: - : Not in use.
pin 74 : NU	: - : Not in use.
pin 75 : NU	: - : Not in use.
pin 76 : MA_	: O : MA.
pin 77 : NU	: - : Not in use.
pin 78 : NU	: - : Not in use.
pin 79 : A 8	: O : Address output.
pin 80 : A 7	: O : Address output.
pin 81 : A 6	: O : Address output.
pin 82 : A 5	: O : Address output.
pin 83 : A 4	: O : Address output.
pin 84 : A 3	: O : Address output.
pin 85 : A 2	: O : Address output.
pin 86 : A 1	: O : Address output.
pin 87 : A 0	: O : Address output.
pin 88 : READ_	: O : Reading strobe signal output.
pin 89 : WRITE_	: O : Writing Strobe signal output.
pin 90 : NU	: - : Not in use.
pin 91 : VSS	: - : Negative supply voltage.
pin 92 : TK 0	: IN : Test mode key input.
pin 93 : TK 1	: IN : Test mode key input.
pin 94 : TK 2	: IN : Test mode key input.
pin 95 : TK 3	: IN : Test mode key input.
pin 96 : TM 1	: IN : Test mode selectionion input.
pin 97 : TM 2	: IN : Test mode selectionion input.
pin 98 : LIMIT SW	: IN : Inside limit switch signal for the disk.
pin 99 : NU	: - : Not in use.
pin100 : Vref	: - : Reference voltage

052-5042-00 M30622MCA-E53GP

DVD Player controller

## 1.Terminal Description

pin 1 : NU	: - : Not in use.
pin 2 : NU	: - : Not in use.
pin 3 : EJECT KEY _	: IN : Eject key switch input. Negative logic.
pin 4 : NU	: - : Not in use.
pin 5 : REMOCON	: IN : Remote controller signal input terminal.
pin 6 : BYTE_	: IN : Connect to VSS.
pin 7 : CN VSS_	: IN : Connect to VSS.
pin 8 : INIT 1	: IN : Destination setting input. Ref. Table 1.
pin 9 : INIT 2	: IN : Destination setting input. Ref. Table 1.
pin 10 : RESET_	: IN : Reset signal input. Negative logic.
pin 11 : X OUT	: O : Crystal connection.
pin 12 : VSS	: - : Negative supply voltage.
pin 13 : X IN	: IN : Crystal connection.
pin 14 : VCC	: - : Positive supply voltage.
pin 15 : NU	: - : Not in use.
pin 16 : ACC DET	: IN : ACC detect signal input. "H"= ACC ON.
pin 17 : B/U OFF DET_	: IN : Backup voltage OFF signal input.
pin 18 : POWER KEY_	: IN : Power Key interrupt signal input.
pin 19 : 27pinCONNECT	: IN : Connect to pin 27.
pin 20 : DIR SI	: IN : Serial data input from the digital-audio-interface-receiver.
pin 21 : DIR SO	: O : Serial data output to the digital-audio-interface-receiver.
pin 22 : NU	: - : Not in use.
pin 23 : DIR CL	: O : Clock pulse output to the digital-audio-interface-receiver.
pin 24 : DIR CE	: O : Chip enable pulse output to the digital-audio-interface-receiver.
pin 25 : A IN SEL	: O : RCA= "L", Ce-NET= "H"
pin 26 : V I/O SEL	: O : External input = "H"
pin 27 : IE BUS RX	: IN : IE Bus communication line.

pin 28 : IE BUS TX : O : IE Bus communication line.

pin 29 : DEC TX : O : Transmit terminal to RISC CPU.

pin 30 : DEC RX : IN : Receive terminal from RISC CPU.

pin 31 : DEC RSTX\_ : O : Reset pulse output to RISC CPU.

pin 32 : DEC REQ : IN : Request signal input from RISC CPU.

pin 33 : DISP DO : O : Serial data output to the LCD driver.

pin 34 : DISP DI : IN : Serial data input from the LCD driver.

pin 35 : DISP CLK : O : Clock pulse output to the LCD driver.

pin 36 : DISP CE : O : Chip enable signal output to the LCD driver.

pin 37 : NU : - : Not in use.

pin 38 : DIRF 0 : O : Sample frequency select signal output.

pin 39 : DEC P OFF\_ : IN : Power off admission signal input from RISC CPU.

pin 40 : DIRF 1 : O : Sample frequency select signal output.

pin 41 : DEC SYS ACC : O : SYS-ACC output of RISC CPU.

pin 42 : DIRF 2 : O : Sample frequency select signal output.

pin 43 : DEC RST IN\_ : IN : Reset request from RISC IC.

pin 44 : DIR RESET\_ : O : Reset pulse output to the digital-audio-interface-receiver.

pin 45 : DIR EMPHA : IN : Pre-emphasis selection.

pin 46 : DIR AUDIO : IN : PCM audio data = "L", Others = "H".

pin 47 : MECH 5V REM : O : 5V and 3.3V power supply control for the mechanism.

pin 48 : 2.5 V REM : O : ACC 2.5V power supply control.

pin 49 : 3.3 V REM : O : ACC 5V and ACC 3.3V power supply control.

pin 50 : DAC MC : O : Colck pulse output to the DAC.

pin 51 : DD 15 CONT : O : Power supply control output for the audio sections.

pin 52 : DD 3.3 CONT : O : ACC 5V, ACC 3.3V, ACC 2.5V power supply control.

pin 53 : DAC ML : O : Latch pulse output to the DAC.

pin 54 : 10 V REM : O : 10V power supply control for DVD mechanism.

pin 55 : DAC MDI : O : Serial data output to the DAC.

pin 56 : DAC RESET\_ : O : Reset pulse output to the DAC.

pin 57 : VOL STB : O : Strobe pulse output to the Electric volume or the digital-audio-interface-receiver.

pin 58 : VOL DATA : O : Serial data output to the electric volume IC.

pin 59 : VOL CLOCK : O : Serial data clock output for the electric volume IC.

pin 60 : VCC : - : Positive supply voltage.

pin 61 : DIR ERR : IN : digital-audio-interface-receiver error detection.

pin 62 : VSS : - : Negative supply voltage.

pin 63 : DSP RESET\_ : O : Reset pulse output to DSP IC.

pin 64 : DSP OV : IN : Sub DSP over flow detection.

pin 65 : ADC RESET\_ : O : Reset pulse output to the ADC.

pin 66 : ADC OV : IN : ADC over flow detection.

pin 67 : VIDEO MUTE\_ : O : Video muting signal output.

pin 68 : AMP REM OUT : O : Amplifier ON signal output terminal.

pin 69 : NU : - : Not in use.

pin 70 : NU : - : Not in use.

pin 71 : DIR X STATE\_ : IN : digital-audio-interface-receiver/PLL unlock detection.

pin 72 : AMP REM DT\_ : IN : Remote controller wire short detection.

pin 73 : Speed pulse\_ : IN : Speed pulse input.

pin 74 : SYS MUTE\_ : O : System mute signal output. Negative logic.

pin 75 : LINE MUTE\_ : O : Mute signal output for Audio signal of Ce-NET. Negative logic.

pin 76 : EJECT OUT\_ : O : Eject command output.

pin 77 : NU : - : Not in use.

pin 78 : NU : - : Not in use.

pin 79 : DVD RESET\_ : O : Reset pulse output to DVD mechanism.

pin 80 : DVD A MUTE\_ : IN : Mute request input from DVD mechanism.

pin 81 : DVD ACC CNT : O : DVD mechanism ACC-CONT.

pin 82 : DVD SYS P-1 : IN : From DVD mechanism.

pin 83 : REG 1 : IN : Region code input.

pin 84 : REG 2 : IN : Region code input.

pin 85 : REG 3 : IN : Region code input.

pin 86 : NU : - : Not in use.

pin 87 : KEY A/D : IN : Input terminal of A/D converter for Key judgment. Ref. Table 2.

pin 88 : NTSC/PAL\_ : IN : NTSC = "H", PAL = "L".

pin 89 : DECK BB\_ : IN : Initial setting input, DVD deck = "H"

pin 90 : STND ALONE\_ : IN : Stand alone = "L", Ce-NET slave = "H".

pin 91 : PKB : IN : "H"= Parking brake ON

pin 92 : DSP CSB\_ : O : Sub DSP chip selection output.

pin 93 : DSP CS\_ : O : DSP chip selection output.

pin 94 : A VSS : - : Analog ground.

pin 95 : NU : - : Not in use.

pin 96 : Vref : - : Reference voltage

pin 97 : A VCC : - : Positive supply voltage for the internal analog section.

pin 98 : DSP SI : IN : Serial data input from the DSP IC.

pin 99 : DSP SO : O : Serial data output to the DSP IC.

pin100 : DSP SCK : O : Clock pulse output to the DSP IC.

Table 1. Destination setting input

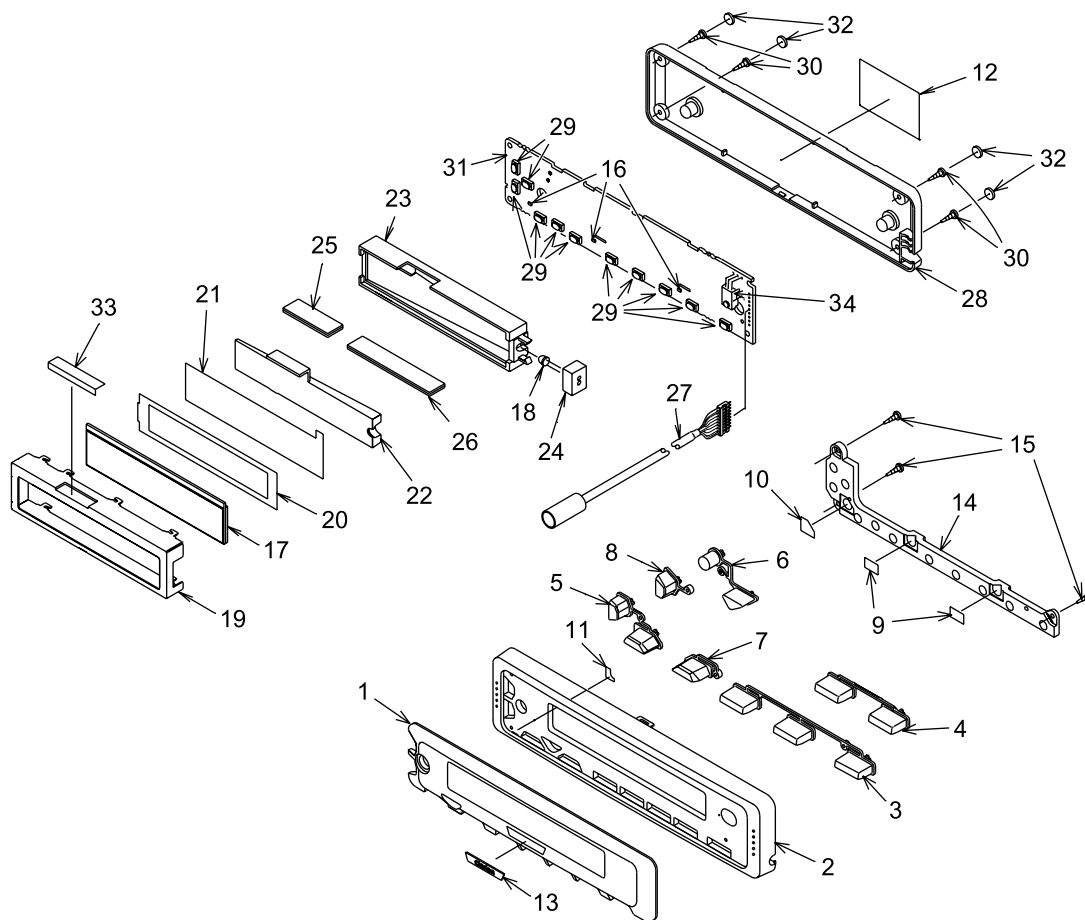
	North America	Third area	Japan	Europe
INITIAL 1 ( pin 8 )	H	L	H	L
INITIAL 2 ( pin 9 )	L	L	H	H

Table 2. Input of A/D converter for Key judgment ( pin 87 )

Judgment	A/D steps		
Power key	0/255	to	25/255
With Controller	205/255	to	238/255
Without Controller	239/255	to	255/255

# EXPLODED VIEW • PARTS LIST

Control unit



Note)Some parts depend on each model.The model name is specified in the description.

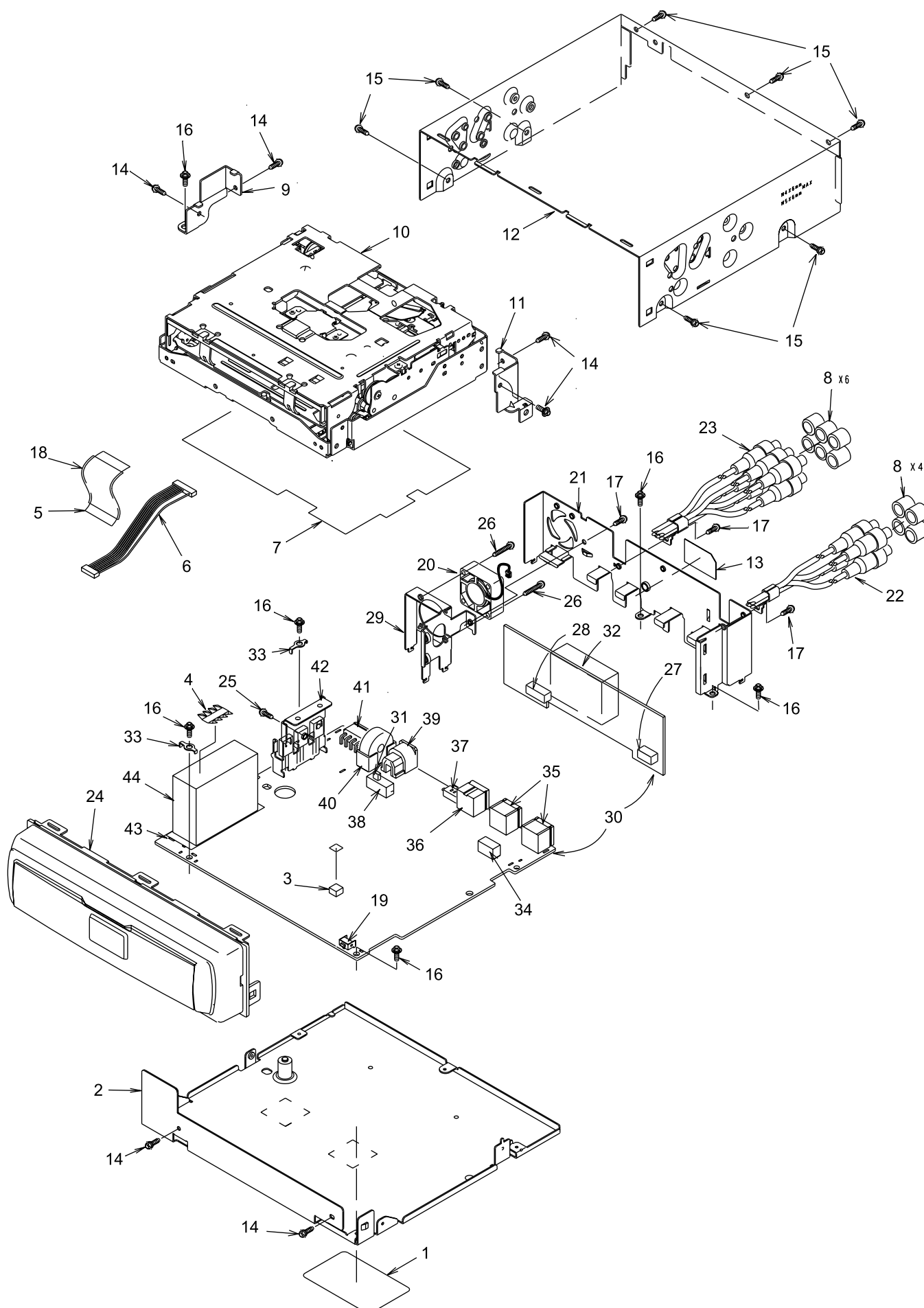
Note)Several different parts of the same reference number are alternative parts.

One of those parts is used in the set.

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	373-0946-00 373-0946-20	DIAL COVER(PE-2359) DIAL COVER(PE-2360)	1	18	001-7046-00	LED(WHITE)	1
2	370-5917-00	ESCUTCHEON	1	19	331-2809-01	LCD COVER	1
3	382-6024-00	BUTTON(POW,ADJ,SOU)	1	20	347-6169-00	SHADE	1
4	382-6025-00	BUTTON(DSF,AMOD)	1	21	347-6480-00	REFLECTOR	1
5	382-6026-00	BUTTON(VOL-D,L)	1	22	335-6213-00	ILLUMI PLATE	1
6	382-6027-00	BUTTON(MUT,ENT)	1	23	335-6209-00	LCD HOLDER	1
7	382-6028-00	BUTTON(R)	1	24	335-6216-00	LED HOLDER	1
8	382-6029-00	BUTTON(VOL-U)	1	25	345-8273-00	RUBBER CONNECTOR	1
9	347-6428-00	FILM	2	26	345-8274-00	RUBBER CONNECTOR	1
10	347-6429-00	FILM	1	27	855-8000-02	MINI DIN CORD	1
11	347-6430-00	FILM	1	28	335-6419-00	REAR COVER	1
12	290-7920-00 290-8007-00 290-7920-00	LABEL(2359B) LABEL(2359K) LABEL(2360E)	1	29	013-6507-50	SWITCH	11
13	378-0516-00	BADGE(clarion)	1	30	716-0872-11	PAD SCREW(M1.7 × 6BLK)	4
14	335-6420-00	ILLUMI PLATE	1	31	039-1833-00	SWITCH PWB (WITHOUT COMPONENT)	1
15	716-0872-01	PAD SCREW(M1.7 × 6)	3	32	345-8605-00	CAP	4
16	001-7040-01	LED(WHITE)	3	33	347-6475-00	SHADE	1
17	379-1191-41	INDICATOR	1	34	060-4005-02	IR RECEIVER	1



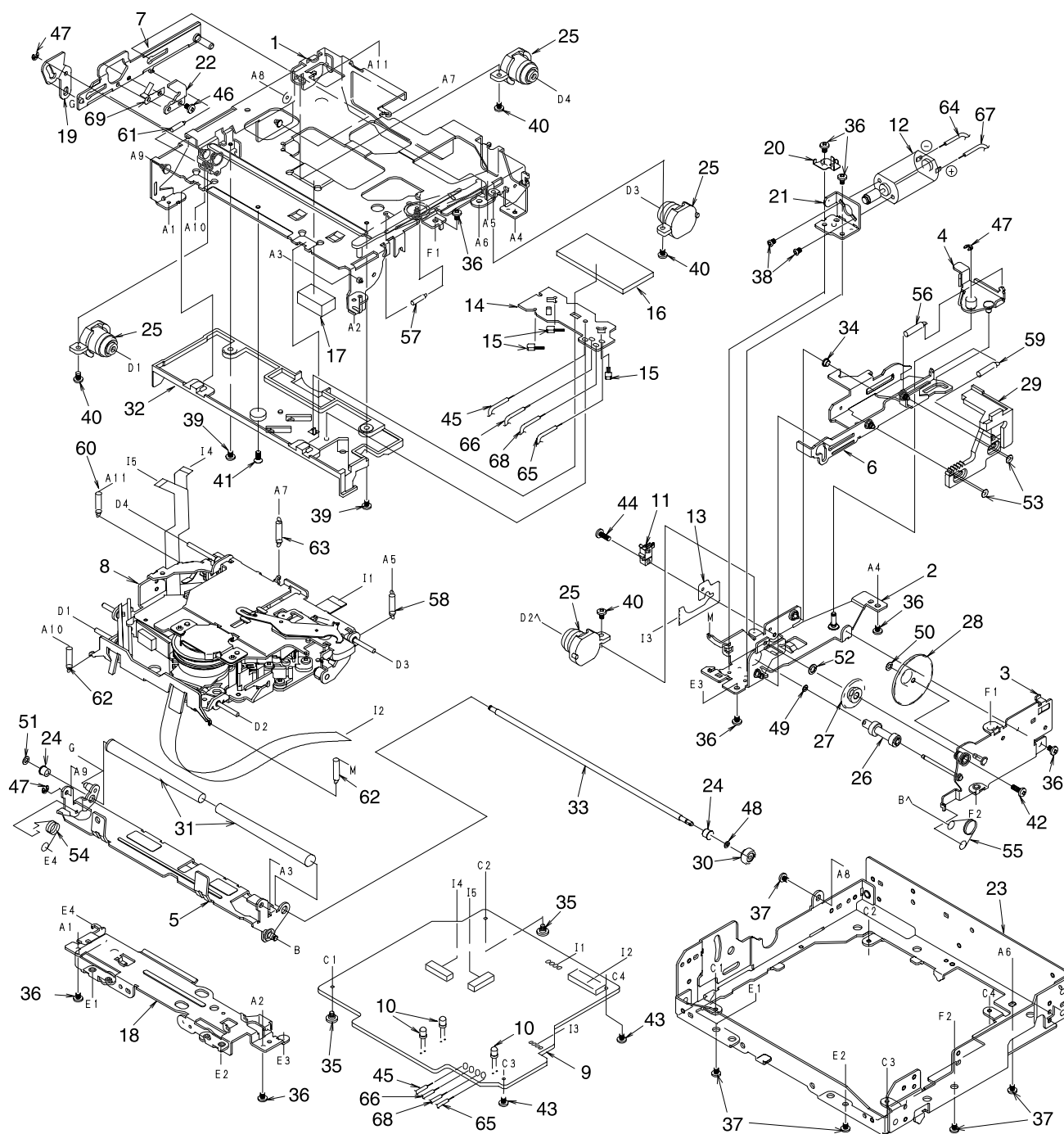
# DVD disc unit



NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	286-9439-00 286-9530-00 286-9558-00 286-9454-00	SET PLATE(2359B) SET PLATE(2359K-A) SET PLATE(2359K-B) SET PLATE(2360E)	1	23	855-5446-50	6CH PIN CORD	1
2	311-1780-20	LOWER CASE	1	24	940-7878-10 940-7878-30 940-7878-20	ESCUTCHEON ASSY(2359B) ESCUTCHEON ASSY(2359K) ESCUTCHEON ASSY(2360E)	1
3	345-7555-00	SPACER	1	25	714-3006-81	MACHINE SCREW(M3 × 8)	1
4	331-3038-00	EARTH PLATE	1	26	780-2615-00	MACHINE SCREW(M2.6 × 15)	2
5	816-2521-00	FLAT WIRE	1	27	074-0898-10	OUTLET SOCKET(10P)	1
6	854-4504-30	EXTENTION LEAD	1	28	074-0898-14	OUTLET SOCKET(14P)	1
7	347-6358-00	INSULATOR	1	29	331-3036-00	FAN BRACKET	1
8	345-3799-00	PIN CAP	10	30	039-1832-00	DVD DISC UNIT PWB (WITHOUT COMPONENT)	1
9	300-7790-00	MOUNTING BRACKET(L)	1	31	076-0349-02	PLUG(2P)	1
10	929-2102-00	DVD MECHANISM	1	32	060-6016-00	DC-DC CONVERTER	1
11	300-7789-00	MOUNTING BRACKET(R)	1	33	073-0775-00	TERMINAL	2
12	310-1688-01	UPPER CASE	1	34	076-0368-10	PLUG(10P)	1
13	347-6368-00	FILM	1	35	074-1194-00	OUTLET SOCKET(Ce-NET)	2
14	714-2303-81	MACHINE SCREW(M2.3 × 3)	6	36	074-1270-08	OUTLET SOCKET(DIN 8P)	1
15	714-2604-89	MACHINE SCREW(M2.6 × 4BLK)	7	37	013-5111-00	SWITCH	1
16	716-0878-00	IT SCREW(M2.6 × 5)	6	38	076-0368-14	PLUG(14P)	1
17	714-2604-80	MACHINE SCREW(M2.6 × 4)	3	39	075-0305-01	OPT JACK	1
18	347-6516-00	INSULATOR	1	40	010-8028-00	COIL	1
19	013-6100-00	SWITCH	1	41	076-0310-04	PLUG(4P)	1
20	020-3044-00	FAN MOTOR	1	42	313-1612-01	HEAT SINK	1
21	331-3037-00	REAR PLATE	1	43	347-6373-00	INSULATOR	1
22	855-5444-50	4CH PIN CORD	1	44	882-0002D	DVD MODULE	1

#### DVD mchanism

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	966-0308-24	CHASSIS ASSY	1	25	629-0074-00	DAMPER	4
2	966-0310-21	SHIFT-P-CH-ASSY	1	26	621-0245-03	GEAR-A	1
3	966-0311-22	GEAR PLATE ASSY	1	27	621-0246-02	GEAR-B	1
4	966-0358-21	DRIVE-L-PL-ASSY	1	28	621-0247-01	GEAR-C	1
5	966-0498-00	L-DISC-G-ASSY	1	29	621-0248-07	RACK GEAR	1
6	966-0499-02	SHIFT PLATE ASSY	1	30	621-0249-02	ROLLER GEAR	1
7	966-0500-01	SIDE-L-PL-ASSY	1	31	621-0258-03	LOADING ROLLER	2
8	HBS-489-100	DRIVE UNIT	1	32	621-0557-01	U-DISC GUIDE-F	1
9	039-1693-00	DVD PWB (WITHOUT CMPOONENT)	1	33	622-1072-05	ROLLER SHAFT	1
10	001-0563-00	DIODE	3	34	622-1219-01	SHIFT ROLLER	1
11	013-3879-01	CHUCKING SWITCH	1	35	716-1802-00	SCREW(M2X3.1)	2
12	SMA-147-100	LOADING MOTOR ASSY	1	36	714-2003-81	MACHINE SCREW(M2X3)	8
13	039-0586-01	CHUCKING SWTICH PWB (WITHOUT COMPONENT)	1	37	714-2603-81	MACHINE SCREW(M2.6X3)	5
14	039-0588-01	SENSOR PWB (WITHOUT COMPONENT)	1	38	716-1468-00	SCREW(M2 × 2.5)	2
15	060-0252-01	PHOTO TR (PT4850F)	3	39	716-1507-00	SCREW(M2 × 3)	2
16	345-7514-00	S-PWB-SHEET	1	40	716-1670-00	SCREW(M2 × 3)	4
17	345-8318-01	CLAMPER SHEET	1	41	716-1677-00	SCREW(M2 × 5)	1
18	620-0485-20	FRONT PLATE	1	42	716-1704-00	SCREW(M2 × 7)	1
19	620-0488-20	S-L-LINK PLATE	1	43	716-1716-00	SCREW(M2 × 3)	2
20	620-0489-02	MOTOR PLATE	1	44	716-1742-00	SCREW(M2 × 5)	1
21	620-0492-20	MOTOR BRACKET	1	45	804-4910-60	VINYL COAT WIRE(YEL)	1
22	620-0832-00	LOCK PLATE	1	46	739-2025-17	PRECISION SCREW (M2.0 × 2.5)	1
23	620-0833-02	MECHANISM BRACKET	1	47	743-1500-10	E-RING	3
24	621-0243-02	ROLLER SLEEVE	2	48	746-0712-03	WASHER( 4 × 0.04)	1
				49	746-0724-00	WASHER( 3 × 0.25)	1



NO.	PART NO.	DESCRIPTION	Q'TY
50	746-0761-00	WASHER( 3.2 × 0.25)	1
51	746-0762-00	WASHER( 3.2 × 0.5)	1
52	746-0876-01	WASHER( 4.7 × 0.25)	1
53	746-0877-02	WASHER( 4 × 0.188)	2
54	750-3090-02	RO-SPRING-L	1
55	750-3091-03	RO-SPRING-R	1
56	750-3092-03	SHIFT SPRING	1
57	750-3094-00	S-ARM SPRING	1
58	750-3096-01	DR-SPRING-R	1
59	750-3098-00	L-LINK SPRING	1

NO.	PART NO.	DESCRIPTION	Q'TY
60	750-3164-00	DR-SPRING-LR	1
61	750-3189-00	SIDE-L-SPRING	1
62	750-3369-00	DR-SPRING-F	2
63	750-3370-00	CENTER SPRING	1
64	800-4904-60	VINYL COAT WIRE(BLK)	1
65	800-4910-60	VINYL COAT WIRE(BLK)	1
66	801-4910-60	VINYL COAT WIRE(BRN)	1
67	802-4904-60	VINYL COAT WIRE(RED)	1
68	802-4910-60	VINYL COAT WIRE(RED)	1
69	620-0973-00	SIDE SPRING	1

# ELECTRICAL PARTS LIST

DVD Disc. unit section(B1)

Note)Some parts depend on each model.The model name is specified in the description.

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
BL901	882-0002A	VDV MODUL	C440	042-0416-02	10V10 $\mu$ F TAN	C534	163-1063-30	16V10 $\mu$ F
C201	163-1063-30	16V10 $\mu$ F	C441	168-1042-78	16V 0.1 $\mu$ F	C535	163-1063-30	16V10 $\mu$ F
C202	163-2273-25	10V 220 $\mu$ F	C442	042-0416-02	10V10 $\mu$ F TAN	C536	163-1063-30	16V10 $\mu$ F
C203	172-1041-11	0.1 $\mu$ F	C445	042-0416-02	10V10 $\mu$ F TAN	C537	163-1063-30	16V10 $\mu$ F
C204	184-1083-32	16V1000 $\mu$ F	C446	168-1042-78	16V 0.1 $\mu$ F	C538	163-1063-30	16V10 $\mu$ F
C205	163-2273-25	10V 220 $\mu$ F	C447	168-1042-78	16V 0.1 $\mu$ F	C539	163-1073-31	16V100 $\mu$ F
C206	163-4763-30	16V47 $\mu$ F	C448	042-0416-02	10V10 $\mu$ F TAN	C540	163-1073-31	16V100 $\mu$ F
C207	168-1042-78	16V 0.1 $\mu$ F	C449	168-1042-78	16V 0.1 $\mu$ F	C541	168-1042-78	16V 0.1 $\mu$ F
C208	163-1073-31	16V100 $\mu$ F	C450	168-1042-78	16V 0.1 $\mu$ F	C542	168-1042-78	16V 0.1 $\mu$ F
C209	168-1042-78	16V 0.1 $\mu$ F	C451	042-0416-02	10V10 $\mu$ F TAN	C546	163-1063-30	16V10 $\mu$ F
C210	043-0296-00	0.1 $\mu$ F	C452	168-1042-78	16V 0.1 $\mu$ F	C547	163-1063-30	16V10 $\mu$ F
C211	168-4735-06	0.047 $\mu$ F	C453	168-1042-78	16V 0.1 $\mu$ F	C548	163-1063-30	16V10 $\mu$ F
C212	163-1073-31	16V100 $\mu$ F	C454	042-0416-02	10V10 $\mu$ F TAN	C549	163-1063-30	16V10 $\mu$ F
C213	163-1063-30	16V10 $\mu$ F	C455	168-1042-78	16V 0.1 $\mu$ F	C550	163-1063-30	16V10 $\mu$ F
C214	168-1042-78	16V 0.1 $\mu$ F	C456	042-0416-02	10V10 $\mu$ F TAN	C551	163-1063-30	16V10 $\mu$ F
C215	168-1042-78	16V 0.1 $\mu$ F	C457	168-1035-06	0.01 $\mu$ F	C557	168-1042-78	16V 0.1 $\mu$ F
C218	043-0296-00	0.1 $\mu$ F	C458	168-1035-06	0.01 $\mu$ F	C558	168-1042-78	16V 0.1 $\mu$ F
C219	163-1073-31	16V100 $\mu$ F	C459	168-1042-78	16V 0.1 $\mu$ F	C559	168-1042-78	16V 0.1 $\mu$ F
C221	168-1042-78	16V 0.1 $\mu$ F	C460	042-0416-02	10V10 $\mu$ F TAN	C560	163-1073-31	16V100 $\mu$ F
C222	168-1042-78	16V 0.1 $\mu$ F	C461	168-1042-78	16V 0.1 $\mu$ F	C561	168-1042-78	16V10 $\mu$ F
C231	042-0505-01	10V22 $\mu$ F	C462	168-1042-78	16V 0.1 $\mu$ F	C562	163-1073-31	16V100 $\mu$ F
C232	168-1042-78	16V 0.1 $\mu$ F	C463	042-0416-02	10V10 $\mu$ F TAN	C563	042-0619-51	6.3V56 $\mu$ F
C233	178-2212-78	220pF	C464	168-1042-78	16V 0.1 $\mu$ F	C564	042-0619-51	6.3V56 $\mu$ F
C234	163-2273-25	10V 220 $\mu$ F	C465	042-0416-02	10V10 $\mu$ F TAN	C565	042-0619-51	6.3V56 $\mu$ F
C235	168-1042-78	16V 0.1 $\mu$ F	C466	166-2701-00	27pF CH	C568	166-1201-00	12pF CH
C236	163-2263-30	16V22 $\mu$ F	C467	166-2701-00	27pF CH	C569	166-1201-00	12pF CH
C237	163-2263-30	16V22 $\mu$ F	C468	166-2701-00	27pF CH	C570	166-1201-00	12pF CH
C250	043-0296-00	0.1 $\mu$ F	C469	168-1042-78	16V 0.1 $\mu$ F	C571	166-1201-00	12pF CH
C251	043-0296-00	0.1 $\mu$ F	C470	166-2701-00	27pF CH	C572	166-1201-00	12pF CH
C252	042-0416-02	10V10 $\mu$ F TAN	C471	168-1042-78	16V 0.1 $\mu$ F	C573	166-1201-00	12pF CH
C253	043-0296-00	0.1 $\mu$ F	C472	168-1042-78	16V 0.1 $\mu$ F	C576	163-1063-30	16V10 $\mu$ F
C254	042-0416-02	10V10 $\mu$ F TAN	C473	042-0416-02	10V10 $\mu$ F TAN	C577	163-1063-30	16V10 $\mu$ F
C401	163-1063-30	16V10 $\mu$ F	C474	042-0619-51	6.3V56 $\mu$ F	C578	163-1063-30	16V10 $\mu$ F
C402	163-1063-30	16V10 $\mu$ F	C475	042-0619-51	6.3V56 $\mu$ F	C579	163-1063-30	16V10 $\mu$ F
C403	163-1063-30	16V10 $\mu$ F	C476	166-2701-00	27pF CH	C580	163-1063-30	16V10 $\mu$ F
C404	163-1063-30	16V10 $\mu$ F	C477	166-2701-00	27pF CH	C581	163-1063-30	16V10 $\mu$ F
C405	168-1042-78	16V 0.1 $\mu$ F	C478	166-2701-00	27pF CH	C582	043-0264-06	270pF
C406	166-1201-00	12pF CH	C480	168-1042-78	16V 0.1 $\mu$ F	C583	043-0264-06	270pF
C407	166-1201-00	12pF CH	C481	168-1042-78	16V 0.1 $\mu$ F	C584	043-0264-06	270pF
C408	163-1063-30	16V10 $\mu$ F	C482	166-2701-00	27pF CH	C585	043-0264-06	270pF
C409	163-1063-30	16V10 $\mu$ F	C483	166-2701-00	27pF CH	C586	043-0264-06	270pF
C410	043-0264-01	2200pF	C484	166-1021-50	1000pF CH	C587	043-0264-06	270pF
C411	168-1042-78	16V 0.1 $\mu$ F	C501	168-1042-78	16V 0.1 $\mu$ F	C588	166-2701-00	27pF CH
C412	042-0416-02	10V10 $\mu$ F TAN	C502	042-0416-02	10V10 $\mu$ F TAN	C589	166-2701-00	27pF CH
C413	166-1201-00	12pF CH	C503	042-0416-02	10V10 $\mu$ F TAN	C590	166-2701-00	27pF CH
C414	163-1063-30	16V10 $\mu$ F	C504	042-0416-02	10V10 $\mu$ F TAN	C591	166-2701-00	27pF CH
C415	166-1201-00	12pF CH	C505	168-1042-78	16V 0.1 $\mu$ F	C592	166-2701-00	27pF CH
C416	042-0416-02	10V10 $\mu$ F TAN	C506	168-1042-78	16V 0.1 $\mu$ F	C593	166-2701-00	27pF CH
C417	042-0416-02	10V10 $\mu$ F TAN	C507	042-0416-02	10V10 $\mu$ F TAN	C594	168-1042-78	16V 0.1 $\mu$ F
C418	166-1201-00	12pF CH	C508	042-0416-02	10V10 $\mu$ F TAN	C595	168-1042-78	16V 0.1 $\mu$ F
C419	163-1063-30	16V10 $\mu$ F	C509	163-1063-30	16V10 $\mu$ F	C596	163-1063-30	16V10 $\mu$ F
C420	166-1201-00	12pF CH	C510	163-1063-30	16V10 $\mu$ F	C597	163-1063-30	16V10 $\mu$ F
C421	163-1063-30	16V10 $\mu$ F	C511	163-1063-30	16V10 $\mu$ F	C598	168-1042-78	16V 0.1 $\mu$ F
C422	163-1063-30	16V10 $\mu$ F	C512	163-1063-30	16V10 $\mu$ F	C599	168-1042-78	16V 0.1 $\mu$ F
C423	168-1042-78	16V 0.1 $\mu$ F	C513	163-1063-30	16V10 $\mu$ F	C601	168-4735-06	0.047 $\mu$ F
C424	043-0264-01	2200pF	C514	163-1063-30	16V10 $\mu$ F	C602	178-2242-78	0.22 $\mu$ F
C425	166-2201-00	22pF CH	C515	168-1042-78	16V 0.1 $\mu$ F	C603	163-1053-60	50V1 $\mu$ F
C426	042-0416-02	10V10 $\mu$ F TAN	C516	043-0296-00	0.1 $\mu$ F	C604	163-1063-30	16V10 $\mu$ F
C427	166-2201-00	22pF CH	C521	043-0264-09	2700pF	C605	168-1035-06	0.01 $\mu$ F
C428	166-1201-00	12pF CH	C522	043-0264-09	2700pF	C606	042-0576-00	5.5V 0.1F
C429	166-1201-00	12pF CH	C523	043-0264-01	2200pF	C607	042-0577-00	6.3V100 $\mu$ F
C430	168-1042-78	16V 0.1 $\mu$ F	C524	043-0264-01	2200pF	C608	168-1035-06	0.01 $\mu$ F
C431	168-1042-78	16V 0.1 $\mu$ F	C525	043-0264-01	2200pF	C609	166-1021-50	1000pF CH
C432	168-1042-78	16V 0.1 $\mu$ F	C526	043-0264-13	0.01 $\mu$ F	C610	168-1035-06	0.01 $\mu$ F
C433	168-1042-78	16V 0.1 $\mu$ F	C527	043-0264-04	100p F	C611	168-1035-06	0.01 $\mu$ F
C434	163-1063-30	16V10 $\mu$ F	C528	043-0264-05	220pF	C612	168-1042-78	16V 0.1 $\mu$ F
C435	163-1063-30	16V10 $\mu$ F	C529	043-0264-07	390pF	C613	168-1042-78	16V 0.1 $\mu$ F
C436	163-1063-30	16V10 $\mu$ F	C530	043-0264-04	100p F	C614	168-1042-78	16V 0.1 $\mu$ F
C437	163-1063-30	16V10 $\mu$ F	C531	043-0264-05	220pF	C615	166-1021-50	1000pF CH
C438	168-1042-78	16V 0.1 $\mu$ F	C532	043-0264-05	220pF	C616	166-1021-50	1000pF CH
C439	178-4712-78	470pF	C533	163-1063-30	16V10 $\mu$ F	C617	166-1021-50	1000pF CH

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C650	163-1063-30	16V10 $\mu$ F	D505	001-0516-00	MA111	J901	074-1189-00	50P
C651	042-0416-02	10V10 $\mu$ F TAN	D506	001-0516-00	MA111	L200	010-8028-00	520 $\mu$ H
C903	168-1042-78	16V 0.1 $\mu$ F	D511	001-0583-21	MA8062	L201	010-2290-00	22 $\mu$ H
C918	168-2212-05	220pF	D601	001-0516-00	MA111	L202	010-2200-02	270 $\mu$ H J
C920	168-1042-78	16V 0.1 $\mu$ F	D602	001-0516-00	MA111	L203	010-2290-00	22 $\mu$ H
C921	168-1042-78	16V 0.1 $\mu$ F	D603	001-0516-00	MA111	L204	010-2279-00	4.7 $\mu$ H
C931	168-2212-05	220pF	D604	001-0583-21	MA8062	L402	010-2199-82	47 $\mu$ H J
C951	168-1042-78	16V 0.1 $\mu$ F	D980	001-0367-00	1SS226	L403	010-2285-08	BLM21A102FPB
C952	168-1042-78	16V 0.1 $\mu$ F	FIL202	060-3104-00	NFM41P11C204	L404	010-2285-08	BLM21A102FPB
C953	042-0472-00	10V47 $\mu$ F	FIL203	060-3104-00	NFM41P11C204	L405	010-2285-08	BLM21A102FPB
C954	168-1042-78	16V 0.1 $\mu$ F	FIL402	060-3104-00	NFM41P11C204	L406	010-2285-08	BLM21A102FPB
C955	168-1042-78	16V 0.1 $\mu$ F	FIL403	060-3104-00	NFM41P11C204	L407	010-2285-08	BLM21A102FPB
C956	042-0472-00	10V47 $\mu$ F	FIL404	060-3102-92	NFM51R00P506	L408	010-2285-08	BLM21A102FPB
C957	168-1042-78	16V 0.1 $\mu$ F	FIL405	060-3102-91	NFM51R00P206	L409	010-2285-08	BLM21A102FPB
C958	163-2263-10	6.3V22 $\mu$ F	FIL406	060-3102-91	NFM51R00P206	L410	010-2285-08	BLM21A102FPB
C959	168-1042-78	16V 0.1 $\mu$ F	FIL501	060-3102-91	NFM51R00P206	L412	010-2285-08	BLM21A102FPB
C960	163-2263-10	6.3V22 $\mu$ F	FIL502	060-3102-91	NFM51R00P206	L501	010-2285-08	BLM21A102FPB
C980	168-1042-78	16V 0.1 $\mu$ F	FIL503	060-3102-91	NFM51R00P206	L502	010-2285-08	BLM21A102FPB
C981	163-1053-60	50V1 $\mu$ F	FIL504	060-3102-91	NFM51R00P206	L503	010-2285-08	BLM21A102FPB
C982	163-1053-60	50V1 $\mu$ F	FIL505	060-3102-91	NFM51R00P206	L504	010-2285-08	BLM21A102FPB
C983	168-1042-78	16V 0.1 $\mu$ F	FIL506	060-3102-91	NFM51R00P206	L505	010-2285-08	BLM21A102FPB
C984	042-0472-00	10V47 $\mu$ F	FIL601	060-3113-95	NFM2012R13C102R	L506	010-2285-08	BLM21A102FPB
C986	168-1042-78	16V 0.1 $\mu$ F	FIL602	060-3103-00	NFM839R02G101B1	L507	010-2285-08	BLM21A102FPB
C987	168-1035-06	0.01 $\mu$ F	FIL603	060-3103-00	NFM839R02G101B1	L508	010-2285-08	BLM21A102FPB
C989	184-1083-32	16V1000 $\mu$ F	FIL604	060-3103-00	NFM839R02G101B1	L951	010-2285-21	BLM41A800SPB
CCT401	050-0122-03	1/16W1k x 4 J	FIL605	060-3103-00	NFM839R02G101B1	L952	010-2279-00	4.7 $\mu$ H
CCT402	050-0122-03	1/16W1k x 4 J	FIL606	060-3113-95	NFM2012R13C102R	L980	010-2279-00	4.7 $\mu$ H
CCT403	050-0122-03	1/16W1k x 4 J	FIL607	060-3103-00	NFM839R02G101B1	L998	010-2285-08	BLM21A102FPB
CCT404	050-0122-65	1/16W270 x 4 J	FIL608	060-3103-00	NFM839R02G101B1	L999	010-2285-08	BLM21A102FPB
CCT405	050-0122-63	1/16W150 x 4 J	FIL609	060-3103-00	NFM839R02G101B1	P201	076-0310-04	4P
CCT406	050-0122-63	1/16W150 x 4 J	FIL610	060-3103-00	NFM839R02G101B1	P202	076-0478-12	12P
CCT407	050-0122-63	1/16W150 x 4 J	FIL980	060-3102-91	NFM51R00P206	P203	076-0368-14	14P
CCT408	050-0122-63	1/16W150 x 4 J	FIL981	060-3102-91	NFM51R00P206	P204	076-0349-02	2P
CCT409	050-0122-63	1/16W150 x 4 J	IC201	051-3263-90	NJU7200U33	P402	075-0305-01	OPT-DIGITAL
CCT410	050-0122-63	1/16W150 x 4 J	IC202	051-1905-03	AN77L06M	P501	076-0368-10	10P
CCT411	050-0122-63	1/16W150 x 4 J	IC203	051-3605-00	NJM2360AM	P951	076-0636-90	70P
CCT412	050-0122-63	1/16W150 x 4 J	IC204	051-3274-90	BA178M05F	Q201	100-1162-00	2SA1162
CCT414	050-0122-65	1/16W270 x 4 J	IC205	051-3263-90	NJU7200U33	Q202	125-2004-03	RN1403
CCT415	050-0122-03	1/16W1k x 4 J	IC401	051-3015-00	NJM4580M	Q203	103-1683-00	2SD1683
CCT416	050-0122-03	1/16W1k x 4 J	IC402	051-3015-00	NJM4580M	Q204	100-1431-00	2SA1431
CCT501	050-0122-03	1/16W1k x 4 J	IC403	051-6364-00	YSS912C-F	Q205	191-1295-00	2SB1295
CCT502	050-0122-03	1/16W1k x 4 J	IC404	051-1811-00	BA3129F	Q206	191-1295-00	2SB1295
CCT909	050-0122-00	1/16W10k x 4 J	IC405	051-6362-08	CS5360-BSR	Q207	100-1298-00	2SA1298
CCT910	050-0122-00	1/16W10k x 4 J	IC406	051-6361-00	LC89055W-RA8	Q208	125-2004-03	RN1403
CCT920	050-0122-00	1/16W10k x 4 J	IC407	051-7268-08	TC7SHU04F	Q209	125-2004-03	RN1403
CCT951	050-0122-00	1/16W10k x 4 J	IC408	051-9119-08	TC558128BJ-12EL	Q210	125-2004-03	RN1403
CCT952	050-0122-00	1/16W10k x 4 J	IC409	051-7268-08	TC7SHU04F	Q211	100-1359-00	2SA1359
CCT953	050-0122-00	1/16W10k x 4 J	IC502	051-6363-08	PCM1600Y/2K	Q212	100-1416-00	2SA1416
CCT954	050-0122-00	1/16W10k x 4 J	IC503	051-3012-00	OP275GS	Q213	100-1162-00	2SA1162
CCT956	050-0122-62	1/16W22 x 4 J	IC504	051-3012-00	OP275GS	Q214	102-2712-00	2SC2712
CCT957	050-0122-62	1/16W22 x 4 J	IC505	051-3012-00	OP275GS	Q215	103-1683-00	2SD1683
CCT958	050-0122-62	1/16W22 x 4 J	IC506	051-5017-00	TC9482F	Q216	100-1162-00	2SA1162
CCT959	050-0122-07	1/16W100 x 4 J	IC506	051-5017-00	TC9482F	Q217	125-2004-03	RN1403
CCT960	050-0122-62	1/16W22 x 4 J	IC510	051-3015-00	NJM4580M	Q218	125-2004-03	RN1403
CCT961	050-0122-62	1/16W22 x 4 J	IC511	051-3015-00	NJM4580M	Q220	125-2004-03	RN1403
CCT962	050-0122-62	1/16W22 x 4 J	IC512	051-3015-00	NJM4580M	Q221	125-2004-03	RN1403
D201	001-0334-00	DSA17B	IC513	060-6016-00	DC-CD CON	Q250	108-0302-50	2SK302Y.GR
D202	001-0627-00	U1BC44	IC601	052-5042-00	M30622MCA-E53GP (PE-2359B,PE-2360E)	Q251	103-2118-00	2SD2118
D203	001-0516-00	MA111				Q401	125-2004-02	RN1402
D204	001-0627-00	U1BC44				Q505	125-2004-06	RN1406
D205	001-0627-00	U1BC44	IC601	052-5042-10	M30622MCA-E66GP (PE-2359K)	Q506	102-2712-00	2SC2712
D206	001-0516-00	MA111				Q508	125-0002-06	RN2406
D207	001-0528-50	MA8100-M	IC602	051-6600-38	CA0008AM	Q512	103-1306-00	2SD1306
D208	001-0503-46	HZS9B2L	IC603	051-0869-55	NJM2103M	Q513	103-1306-00	2SD1306
D209	001-2606-90	M1FS4	IC604	051-5407-08	S-80721AN-DJ	Q514	103-1306-00	2SD1306
D210	001-0627-00	U1BC44	IC920	051-7241-08	TC74VHCT245FT	Q515	103-1306-00	2SD1306
D252	001-0595-24	MA5180	IC921	051-7507-08	SN74LV125APWR	Q516	103-1306-00	2SD1306
D403	001-0516-00	MA111	IC922	051-7222-38	SN74AHC1G08DBVR	Q517	103-1306-00	2SD1306
D404	001-0516-00	MA111	IC980	051-5331-90	MM1228XFBE	Q518	125-2004-03	RN1403
D407	001-0528-44	MA8082-M	J501	074-0898-10	10P	Q519	125-2004-03	RN1403
D501	001-0516-00	MA111	J503	074-0898-14	14P	Q601	125-2004-03	RN1403
D502	001-0516-00	MA111	J601	074-1194-00	13P CE-NET	Q980	125-2004-03	RN1403
D503	001-0528-44	MA8082-M	J602	074-1194-00	13P CE-NET	R201	117-1031-10	1/10W 10k
D504	001-0516-00	MA111	J603	074-1270-08	8P DIN	R202	117-1021-10	1/10W 1k

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R203	032-0104-60	1/4W 220	R450	119-8211-10	1/16W 820	R586	032-0104-69	1/4W 1.5k
R208	117-1221-10	1/10W 1.2k	R451	119-5121-15	1/16W 5.1k	R587	119-2221-10	1/16W 2.2k
R209	119-1031-10	1/16W 10k	R452	119-4701-10	1/16W 47	R589	119-1021-10	1/16W 1k
R210	119-1031-10	1/16W 10k	R453	119-7501-15	1/16W 75	R601	119-1831-10	1/16W 18k
R211	119-1031-10	1/16W 10k	R454	119-1511-10	1/16W 150	R602	119-9121-15	1/16W 9.1k
R212	117-1021-10	1/10W 1k	R459	119-8211-10	1/16W 820	R603	119-3921-10	1/16W 3.9k
R213	032-0104-67	1/4W 1.2k	R466	119-1041-10	1/16W 100k	R604	117-1141-15	1/10W 110k
R214	119-4731-10	1/16W 47k	R467	119-1041-10	1/16W 100k	R605	119-1831-10	1/16W 18k
R215	117-6811-10	1/10W 680	R487	119-1031-10	1/16W 10k	R606	119-4721-10	1/16W 4.7k
R216	032-0104-63	1/4W 1.5	R493	119-4731-10	1/16W 47k	R607	119-4731-10	1/16W 47k
R217	032-0104-63	1/4W 1.5	R494	119-1021-10	1/16W 1k	R608	119-1541-10	1/16W 150k
R218	119-2201-10	1/16W 22	R501	119-1031-10	1/16W 10k	R609	119-1031-10	1/16W 10k
R219	119-1031-10	1/16W 10k	R509	119-8221-10	1/16W 8.2k	R610	119-5621-10	1/16W 5.6k
R220	032-0104-63	1/4W 1.5	R511	032-0104-69	1/4W 1.5k	R611	119-1011-10	1/16W 100
R221	032-0104-63	1/4W 1.5	R515	119-1021-10	1/16W 1k	R612	119-1011-10	1/16W 100
R222	119-1031-10	1/16W 10k	R516	119-2231-10	1/16W 22k	R613	119-3321-10	1/16W 3.3k
R223	119-3321-10	1/16W 3.3k	R526	119-1031-10	1/16W 10k	R616	119-2231-10	1/16W 22k
R224	032-0104-69	1/4W 1.5k	R527	119-1031-10	1/16W 10k	R649	119-5611-10	1/16W 560
R225	032-0104-67	1/4W 1.2k	R528	119-1031-10	1/16W 10k	R651	119-1031-10	1/16W 10k
R226	119-3321-10	1/16W 3.3k	R529	119-1031-10	1/16W 10k			(2359K-A,2360E)
R227	119-2231-10	1/16W 22k	R530	119-1031-10	1/16W 10k	R652	119-1031-10	1/16W 10k
R228	032-0104-60	1/4W 220	R531	119-1031-10	1/16W 10k			(2359B/K-A)
R229	119-1031-10	1/16W 10k	R532	119-1521-10	1/16W 1.5k	R653	119-1031-10	1/16W 10k
R230	117-3321-10	1/10W 3.3k	R533	119-1521-10	1/16W 1.5k			(2359B/K-B,2360E)
R231	119-2291-15	1/16W2.2	R534	119-2721-10	1/16W 2.7k	R654	119-1031-10	1/16W 10k (2359K-
R232	119-2291-15	1/16W2.2	R535	119-2721-10	1/16W 2.7k			A/K-B,2360E)
R233	119-1531-10	1/16W 15k	R536	119-2721-10	1/16W 2.7k	R656	119-4731-10	1/16W 47k
R234	119-2721-10	1/16W 2.7k	R537	119-1821-10	1/16W 1.8k	R657	119-1031-10	1/16W 10k
R235	119-1031-10	1/16W 10k	R538	119-5131-15	1/16W 51k			(2359B/K-B)
R240	032-0104-63	1/4W 1.5	R539	119-5131-15	1/16W 51k	R658	119-1031-10	1/16W 10k
R250	117-1011-10	1/10W 100	R540	119-2031-10	1/16W 20k			(2359K-B,2360E)
R252	032-0104-72	1/4W 33	R541	119-2031-10	1/16W 20k	R659	119-1031-10	1/16W10k (2359K-A)
R253	032-0104-67	1/4W 1.2k	R542	119-2031-10	1/16W 20k	R660	119-1031-10	1/16W 10k
R298	119-0000-00	1/16W 0 JW	R543	119-6231-10	1/16W 62k	R661	119-1031-10	1/16W 10k (2359B)
R299	119-0000-00	1/16W 0 JW	R544	119-1041-10	1/16W 100k	R662	119-1031-10	1/16W 10k
R401	119-1051-10	1/16W 1M	R545	119-1041-10	1/16W 100k	R664	119-1031-10	1/16W 10k (2359K-
R403	119-3311-10	1/16W 330	R546	119-1041-10	1/16W 100k			A/K-B,2360E)
R404	119-4731-10	1/16W 47k	R547	119-1041-10	1/16W 100k	R665	119-1031-10	1/16W 10k (2359B)
R405	119-4731-10	1/16W 47k	R548	119-1041-10	1/16W 100k	R666	119-1031-10	1/16W 10k
R406	119-3311-10	1/16W 330	R549	119-1041-10	1/16W 100k			(2359B/K-A/K-B)
R409	119-3631-10	1/16W 36k	R550	119-1041-10	1/16W 100k	R667	119-1031-10	1/16W 10k (2360E)
R410	119-3631-10	1/16W 36k	R551	119-1041-10	1/16W 100k	R669	119-1031-10	1/16W 10k
R411	119-1021-10	1/16W 1k	R552	119-1041-10	1/16W 100k	R901	119-4731-10	1/16W 47k
R412	119-1831-10	1/16W 18k	R553	119-1041-10	1/16W 100k	R902	119-5621-10	1/16W 5.6k
R413	119-1831-10	1/16W 18k	R554	119-1041-10	1/16W 100k	R903	119-4731-10	1/16W 47k
R414	119-1511-10	1/16W 150	R555	119-1041-10	1/16W 100k	R904	119-1021-10	1/16W 1k
R415	032-0140-89	1/4W 47k F	R556	119-1041-10	1/16W 100k	R905	119-3301-10	1/16W 33
R416	032-0140-51	1/16W 15k ± 1%	R557	119-1041-10	1/16W 100k	R913	119-6801-10	1/16W 68
R417	119-1031-10	1/16W 10k	R558	119-1041-10	1/16W 100k	R920	119-1011-10	1/16W 100
R418	119-1031-10	1/16W 10k	R559	119-1041-10	1/16W 100k	R921	119-1011-10	1/16W 100
R419	032-0140-89	1/4W 47k F	R560	119-1041-10	1/16W 100k	R922	119-6801-10	1/16W 68
R420	119-2711-10	1/16W 270	R561	119-1041-10	1/16W 100k	R923	119-1011-10	1/16W 100
R421	119-1511-10	1/16W 150	R562	119-2041-15	1/16W 200k	R927	119-4721-10	1/16W 4.7k
R422	032-0140-51	1/16W 15k ± 1%	R563	119-2041-15	1/16W 200k	R950	119-2201-10	1/16W 22
R424	032-0140-51	1/16W 15k ± 1%	R564	119-2041-15	1/16W 200k	R951	119-2201-10	1/16W 22
R425	032-0140-89	1/4W 47k F	R567	119-2041-15	1/16W 200k	R952	119-2201-10	1/16W 22
R426	119-1511-10	1/16W 150	R568	119-2041-15	1/16W 200k	R954	119-1011-10	1/16W 100
R427	032-0140-89	1/4W 47k F	R569	119-2041-15	1/16W 200k	R960	119-1011-10	1/16W 100
R428	032-0140-51	1/16W 15k ± 1%	R570	119-1021-10	1/16W 1k	R961	119-1011-10	1/16W 100
R429	119-1031-10	1/16W 10k	R571	119-1021-10	1/16W 1k	R962	119-0000-00	1/16W 0 JW
R430	119-1031-10	1/16W 10k	R572	119-1021-10	1/16W 1k	R963	119-2201-10	1/16W 22
R431	119-4731-10	1/16W 47k	R573	119-3311-10	1/16W 330	R964	119-1031-10	1/16W 10k
R432	119-1051-10	1/16W 1M	R574	119-3311-10	1/16W 330	R965	119-2201-10	1/16W 22
R433	119-1511-10	1/16W 150	R575	119-3311-10	1/16W 330	R980	032-0140-72	1/4W 470 F
R434	119-1831-10	1/16W 18k	R576	119-3311-10	1/16W 330	R981	032-0140-72	1/4W 470 F
R435	119-1831-10	1/16W 18k	R577	119-3311-10	1/16W 330	R982	119-4721-10	1/16W 4.7k
R436	119-4731-10	1/16W 47k	R578	119-3311-10	1/16W 330	R985	032-0106-79	1/10W 78 ± 0.5%
R437	119-3631-10	1/16W 36k	R579	119-2231-10	1/16W 22k	R986	119-4731-10	1/16W 47k
R438	119-3631-10	1/16W 36k	R580	119-2231-10	1/16W 22k	R987	032-0106-79	1/10W 78 ± 0.5%
R440	119-1031-10	1/16W 10k	R581	119-2231-10	1/16W 22k	S601	013-5111-00	00221339TKR
R441	119-3301-10	1/16W 33	R582	119-2231-10	1/16W 22k	S606	013-6100-00	SKHLLB
R442	119-4711-10	1/16W 470	R583	119-2231-10	1/16W 22k	S607	013-3945-00	SPVC1
R448	119-8221-10	1/16W 8.2k	R584	119-2231-10	1/16W 22k	X401	061-3519-90	12.288MHz
R449	119-5121-15	1/16W 5.1k	R585	032-0104-69	1/4W 1.5k			

## Control unit SW PWB section(B2)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C701	168-4735-06	0.047 $\mu$ F	D714	001-0583-21	MA8062	R709	119-4701-10	1/16W 47
C702	168-4735-06	0.047 $\mu$ F	D715	001-0583-21	MA8062	R710	119-4701-10	1/16W 47
C703	168-4735-06	0.047 $\mu$ F	D716	001-0583-21	MA8062	R711	032-0104-68	1/4W 22
C704	168-1022-05	1000pF	D717	001-0516-00	MA111	R712	119-1241-10	1/16W 120k
C705	042-0416-02	10V10 $\mu$ F TAN	IC701	051-6047-00	LC75804W	R714	119-2241-10	1/16W 220k
C706	168-1042-78	16V 0.1 $\mu$ F	IC702	051-1287-00	NJM78L05UA	S701	013-6507-50	LS8J2M-T
C707	042-0416-02	10V10 $\mu$ F TAN	IR701	060-4005-02	GP1U27X	S702	013-6507-50	LS8J2M-T
C708	178-2242-78	0.22 $\mu$ F	LCD701	379-1191-41	LCD	S703	013-6507-50	LS8J2M-T
C709	042-0397-00	16V1 $\mu$ F TAN	R701	119-2221-10	1/16W 2.2k	S704	013-6507-50	LS8J2M-T
D701	001-7046-00	NSPW310BS	R702	119-2221-10	1/16W 2.2k	S705	013-6507-50	LS8J2M-T
D702	001-7040-01	NSCW100	R703	119-2221-10	1/16W 2.2k	S706	013-6507-50	LS8J2M-T
D703	001-7040-01	NSCW100	R704	119-3931-10	1/16W 39k	S707	013-6507-50	LS8J2M-T
D704	001-7040-01	NSCW100	R705	119-8201-10	1/16W 82	S708	013-6507-50	LS8J2M-T
D711	001-0516-00	MA111	R706	119-2231-10	1/16W 22k	S709	013-6507-50	LS8J2M-T
D712	001-0516-00	MA111	R707	119-1501-15	1/16W 15	S710	013-6507-50	LS8J2M-T
D713	001-0583-21	MA8062	R708	119-4701-10	1/16W 47	S711	013-6507-50	LS8J2M-T

## DVD Mecha PWB部(B3)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C101	178-1042-78	0.1 $\mu$ F	C309	178-1042-78	0.1 $\mu$ F	C513	163-1073-10	6.3V 100 $\mu$ F
C102	178-1042-78	0.1 $\mu$ F	C310	178-1042-78	0.1 $\mu$ F	C515	163-1073-10	6.3V 100 $\mu$ F
C103	163-1073-10	6.3V 100 $\mu$ F	C311	178-6822-78	6800pF	C516	163-1073-10	6.3V 100 $\mu$ F
C104	163-1073-10	6.3V 100 $\mu$ F	C312	042-0416-02	10V 10 $\mu$ F TAN	C517	178-1032-78	0.01 $\mu$ F
C105	042-0397-04	10V 2.2 $\mu$ F TAN	C313	178-3312-78	330pF	C518	178-2722-78	2700pF
C106	178-1042-78	0.1 $\mu$ F	C314	178-3312-78	330pF	CCT501	050-0140-59	33 $\times$ 4
C107	178-1032-78	0.01 $\mu$ F	C315	176-1011-00	100pF	CCT502	050-0140-59	33 $\times$ 4
C108	178-1032-78	0.01 $\mu$ F	C316	178-1042-78	0.1 $\mu$ F	CCT503	050-0140-59	33 $\times$ 4
C109	042-0416-02	10V 10 $\mu$ F TAN	C317	178-4712-78	470pF	CCT504	050-0140-59	33 $\times$ 4
C110	042-0397-00	16V 1 $\mu$ F TAN	C318	178-4722-78	4700pF	CCT505	050-0140-52	100 $\times$ 4
C111	178-1042-78	0.1 $\mu$ F	C319	178-1222-78	1200pF	D101	001-0367-00	1SS226
C112	178-1042-78	0.1 $\mu$ F	C320	178-1042-78	0.1 $\mu$ F	D102	001-0367-00	1SS226
C113	178-1022-78	1000pF	C321	178-1042-78	0.1 $\mu$ F	D201	001-0563-00	GL380
C114	178-1042-78	0.1 $\mu$ F	C322	178-3322-78	3300pF	D202	001-0563-00	GL380
C115	178-1022-78	1000pF	C327	178-1042-78	0.1 $\mu$ F	D203	001-0563-00	GL380
C116	178-1022-78	1000pF	C329	042-0416-02	10V 10 $\mu$ F TAN	D301	001-0356-05	1SS181
C117	178-1042-78	0.1 $\mu$ F	C332	178-1042-78	0.1 $\mu$ F	IC101	051-5705-00	TA1254F
C118	042-0416-02	10V 10 $\mu$ F TAN	C333	178-1042-78	0.1 $\mu$ F	IC102	051-3014-00	NJM2115M
C119	178-1032-78	0.01 $\mu$ F	C334	178-1042-78	0.1 $\mu$ F	IC201	051-6040-08	BA6849FP
C120	178-1032-78	0.01 $\mu$ F	C335	178-1042-78	0.1 $\mu$ F	IC202	051-6041-08	BA5937AFP
C121	176-1007-00	10pF	C336	178-1022-78	1000pF	IC301	051-6351-00	TC9453F
C122	178-1032-78	0.01 $\mu$ F	C337	178-1532-78	0.015 $\mu$ F	IC302	051-9315-00	MSM514265C-50TS
C123	178-4722-78	4700pF	C338	178-1042-78	0.1 $\mu$ F	IC401	051-9315-00	MSM514265C-50TS
C124	178-4722-78	4700pF	C339	178-1042-78	0.1 $\mu$ F	IC402	051-6352-00	TC9469AF
C125	178-1042-78	0.1 $\mu$ F	C340	178-1042-78	0.1 $\mu$ F	IC501	052-5041-02	TMP95CW64F-3A88
C126	178-1042-78	0.1 $\mu$ F	C341	178-1042-78	0.1 $\mu$ F	IC503	051-1738-05	TC7S08F
C127	042-0416-02	10V 10 $\mu$ F TAN	C342	178-1042-78	0.1 $\mu$ F	IC504	051-5419-08	MN1382L
C128	178-1042-78	0.1 $\mu$ F	C343	178-2222-78	2200pF	J101	074-1201-16	16P
C129	178-1042-78	0.1 $\mu$ F	C344	178-1042-78	0.1 $\mu$ F	J102	074-1201-14	14P
C130	178-4732-78	0.047 $\mu$ F	C345	178-1042-78	0.1 $\mu$ F	J201	074-1138-11	11P
C131	176-1007-00	10pF	C346	178-1042-78	0.1 $\mu$ F	J502	076-0478-62	12P
C132	042-0416-02	10V 10 $\mu$ F TAN	C401	178-1042-78	0.1 $\mu$ F	J504	074-1189-00	50P
C133	178-1042-78	0.1 $\mu$ F	C402	178-1042-78	0.1 $\mu$ F	L101	010-2155-93	10 $\mu$ H
C134	178-3312-78	330pF	C403	178-1042-78	0.1 $\mu$ F	L102	010-2155-93	10 $\mu$ H
C202	178-1042-78	0.1 $\mu$ F	C404	178-1042-78	0.1 $\mu$ F	L501	010-2275-52	3.3 $\mu$ H
C203	178-1042-78	0.1 $\mu$ F	C405	178-1042-78	0.1 $\mu$ F	L502	010-2275-52	3.3 $\mu$ H
C204	178-1042-78	0.1 $\mu$ F	C406	178-1042-78	0.1 $\mu$ F	Q101	101-1188-50	2SB1188Q,R
C206	178-1042-78	0.1 $\mu$ F	C407	178-1042-78	0.1 $\mu$ F	Q102	101-1188-50	2SB1188Q,R
C207	178-1042-78	0.1 $\mu$ F	C408	178-1042-78	0.1 $\mu$ F	R101	117-1001-10	1/10W 10
C208	178-1042-78	0.1 $\mu$ F	C409	178-1042-78	0.1 $\mu$ F	R102	117-1001-10	1/10W 10
C209	178-1042-78	0.1 $\mu$ F	C410	178-1042-78	0.1 $\mu$ F	R103	117-1021-10	1/10W 1k
C210	178-1042-78	0.1 $\mu$ F	C411	178-1042-78	0.1 $\mu$ F	R104	117-1021-10	1/10W 1k
C211	178-1042-78	0.1 $\mu$ F	C412	178-1042-78	0.1 $\mu$ F	R105	117-5601-10	1/10W 56
C212	178-1042-78	0.1 $\mu$ F	C414	176-1007-00	10pF	R106	117-5601-10	1/10W 56
C301	178-3312-78	330pF	C502	178-1042-78	0.1 $\mu$ F	R107	117-3331-10	1/10W 33k
C302	178-3312-78	330pF	C503	178-1042-78	0.1 $\mu$ F	R108	117-3331-10	1/10W 33k
C303	178-1542-78	0.15 $\mu$ F	C504	178-1042-78	0.1 $\mu$ F	R109	117-2731-10	1/10W 27k
C304	178-1042-78	0.1 $\mu$ F	C506	178-1042-78	0.1 $\mu$ F	R110	117-1041-10	1/10W 100k
C305	178-1042-78	0.1 $\mu$ F	C509	178-1042-78	0.1 $\mu$ F	R112	117-1041-10	1/10W 100k
C306	178-1042-78	0.1 $\mu$ F	C510	163-1073-10	6.3V 100 $\mu$ F	R113	117-1031-10	1/10W 10k
C307	178-1042-78	0.1 $\mu$ F	C511	163-1073-31	16V 100 $\mu$ F	R201	117-1021-10	1/10W 1k
C308	178-1042-78	0.1 $\mu$ F	C512	163-1073-10	6.3V 100 $\mu$ F	R202	117-1021-10	1/10W 1k

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R203	117-1011-10	1/10W 100	R324	117-1021-10	1/10W 1k	R505	117-4731-10	1/10W 47k
R204	117-1011-10	1/10W 100	R325	117-5631-10	1/10W 56k	R506	117-4731-10	1/10W 47k
R205	117-1031-10	1/10W 10k	R326	117-1021-10	1/10W 1k	R507	117-1041-10	1/10W 100k
R206	117-1031-10	1/10W 10k	R327	117-2731-10	1/10W 27k	R508	117-1041-10	1/10W 100k
R207	117-1031-10	1/10W 10k	R328	117-1021-10	1/10W 1k	R509	117-1041-10	1/10W 100k
R208	032-0104-70	1/4W 1	R329	117-2211-10	1/10W 220	R512	117-4721-10	1/10W 4.7k
R209	032-0104-70	1/4W 1	R331	117-2211-10	1/10W 220	R513	117-4721-10	1/10W 4.7k
R210	117-2221-10	1/10W 2.2k	R332	117-1541-10	1/10W 150k	R514	117-4731-10	1/10W 47k
R211	117-3321-10	1/10W 3.3k	R333	117-1541-10	1/10W 150k	R515	117-1041-10	1/10W 100k
R303	117-4731-10	1/10W 47k	R335	117-1031-10	1/10W 10k	R516	117-1031-10	1/10W 10k
R304	117-1031-10	1/10W 10k	R336	117-1031-10	1/10W 10k	R517	117-1031-10	1/10W 10k
R305	117-1031-10	1/10W 10k	R337	117-1051-10	1/10W 1M	R518	117-1031-10	1/10W 10k
R307	117-4721-10	1/10W 4.7k	R338	117-1521-10	1/10W 1.5k	R519	117-1031-10	1/10W 10k
R308	117-1031-10	1/10W 10k	R339	117-1031-10	1/10W 10k	R520	117-1031-10	1/10W 10k
R309	117-4731-10	1/10W 47k	R340	117-1031-10	1/10W 10k	R521	117-1031-10	1/10W 10k
R310	117-1521-10	1/10W 1.5k	R341	117-4741-10	1/10W 470k	R538	117-2201-10	1/10W 22
R311	117-1031-10	1/10W 10k	R342	117-4721-10	1/10W 4.7k	R539	117-8201-10	1/10W 82
R312	117-1031-10	1/10W 10k	R343	117-1031-10	1/10W 10k	R540	117-8201-10	1/10W 82
R313	117-1031-10	1/10W 10k	R344	117-5631-10	1/10W 56k	R541	117-8201-10	1/10W 82
R314	117-1031-10	1/10W 10k	R345	117-1531-10	1/10W 15k	R542	117-2201-10	1/10W 22
R315	117-1031-10	1/10W 10k	R346	117-4731-10	1/10W 47k	R543	117-8201-10	1/10W 82
R316	117-1031-10	1/10W 10k	R347	117-3321-10	1/10W 3.3k	R548	117-1041-10	1/10W 100k
R317	117-1041-10	1/10W 100k	R401	117-1051-10	1/10W 1M	R549	117-1021-10	1/10W 1k
R318	117-2211-10	1/10W 220	R402	117-1521-10	1/10W 1.5k	R550	117-1041-10	1/10W 100k
R319	117-5621-10	1/10W 5.6k	R403	117-1031-10	1/10W 10k	X301	060-1516-90	22.58MHz
R320	117-0000-00	1/10W 0	R404	117-4731-10	1/10W 47k	X401	060-1517-90	50.0MHz
R321	117-5631-10	1/10W 56k	R405	117-0000-00	1/10W 0	X501	060-1515-90	25.0MHz
R322	117-1021-10	1/10W 1k	R501	117-1051-10	1/10W 1M			
R323	117-2731-10	1/10W 27k	R504	117-1041-10	1/10W 100k			

#### Sensor PWB section(B4)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
Q1	060-0252-01	PT4850F	Q2	060-0252-01	PT4850F	Q3	060-0252-01	PT4850F

#### Chuckling switch PWB section(B5)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
S2	013-3879-01	SWITCH	M3	SMA-147-100	MOTOR

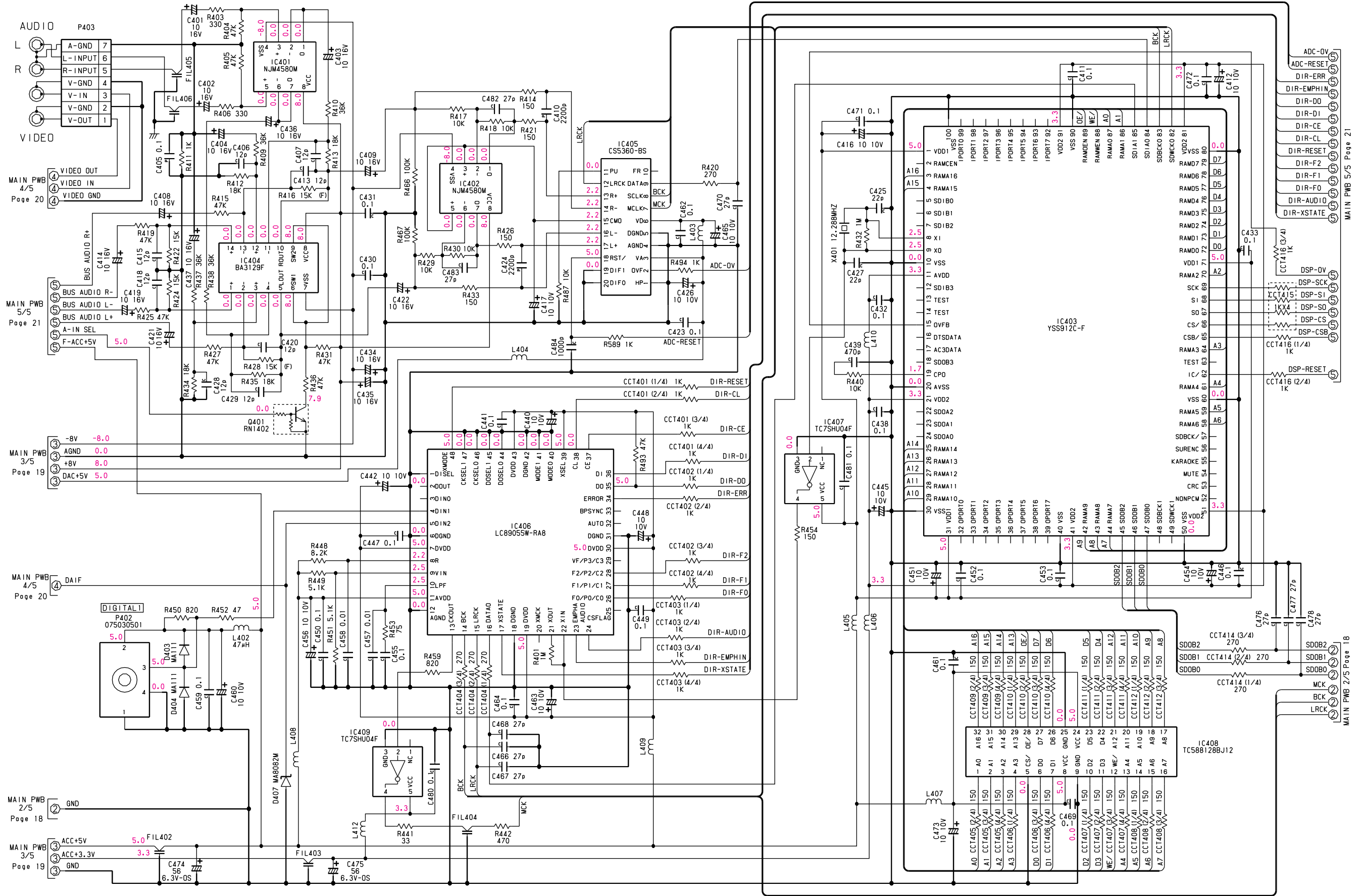
#### Sled motor PWB section(B6)

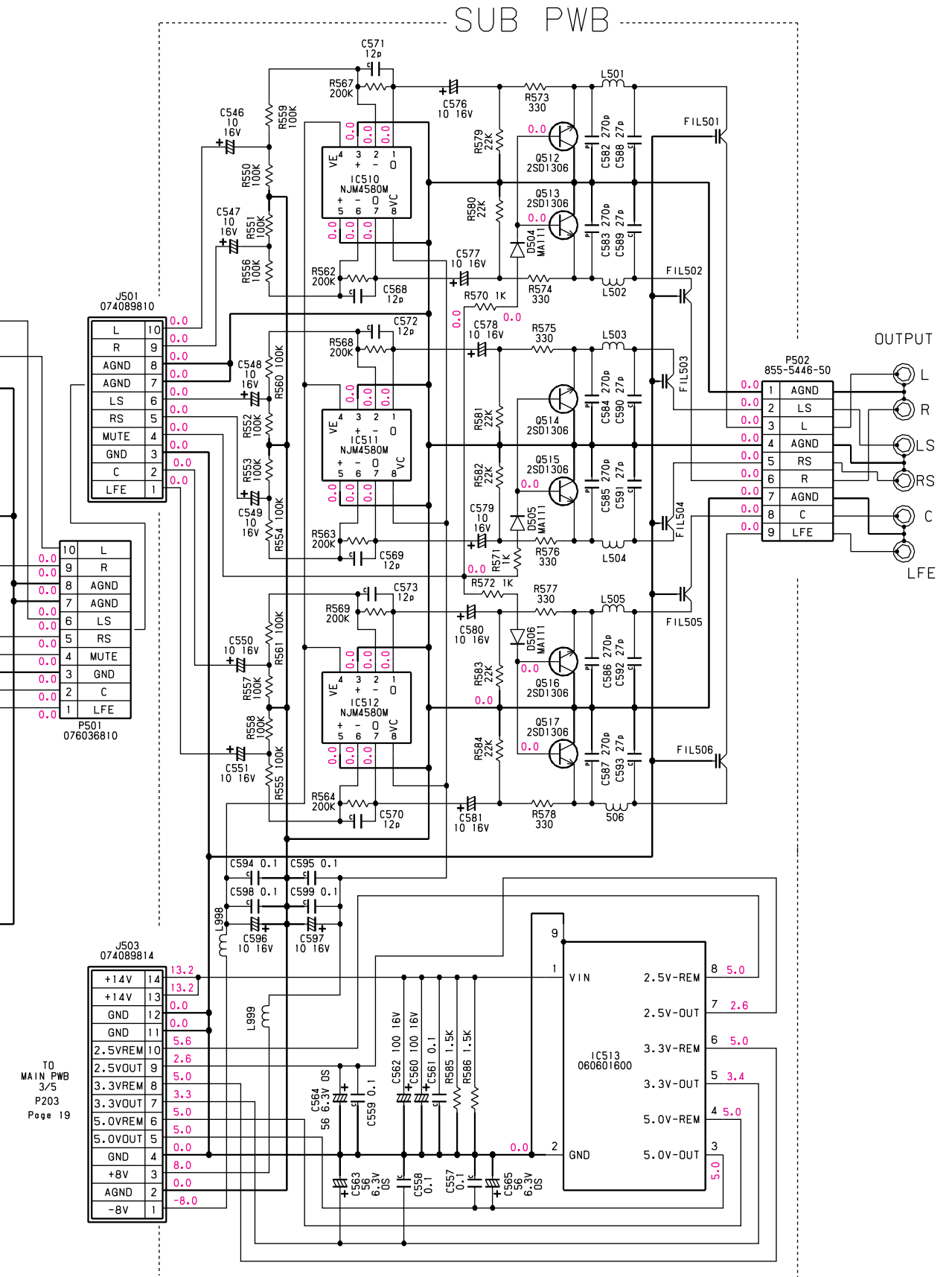
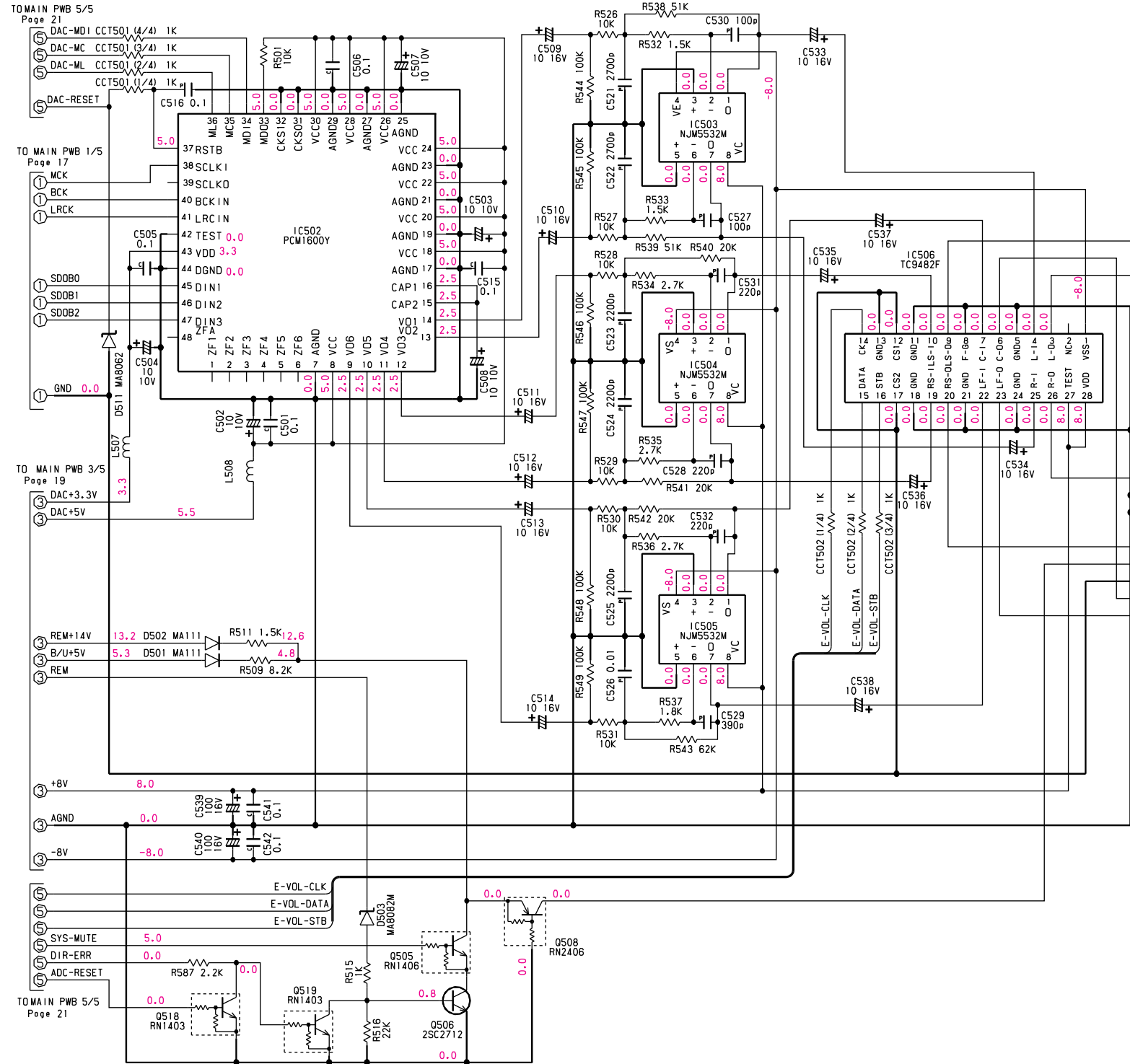
REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
S1	013-3879-01	SWITCH	M2	SMA-146-100	MOTOR



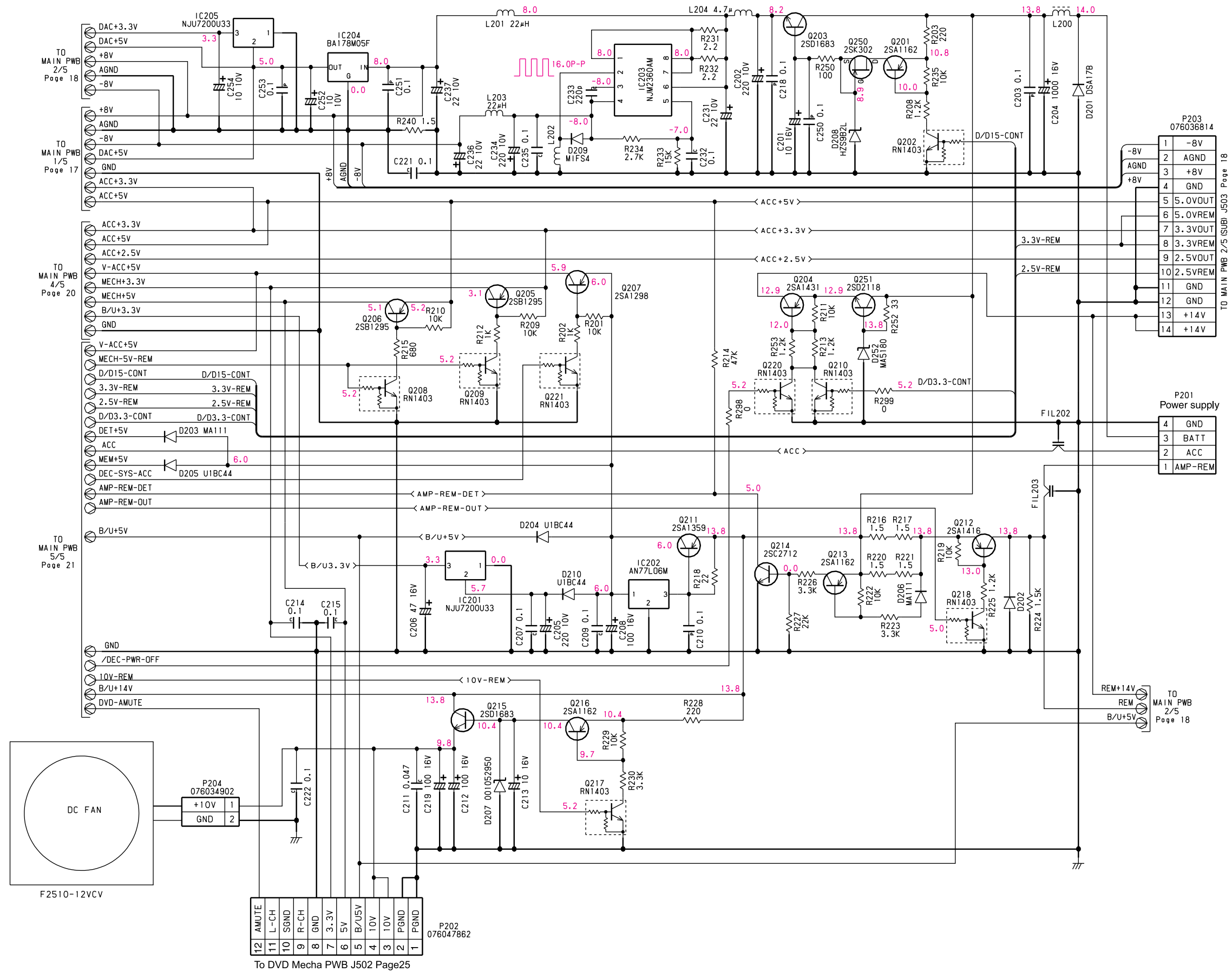
## ■ CIRCUIT DIAGRAM

DVD Disc. unit Section 1/5 (B1)

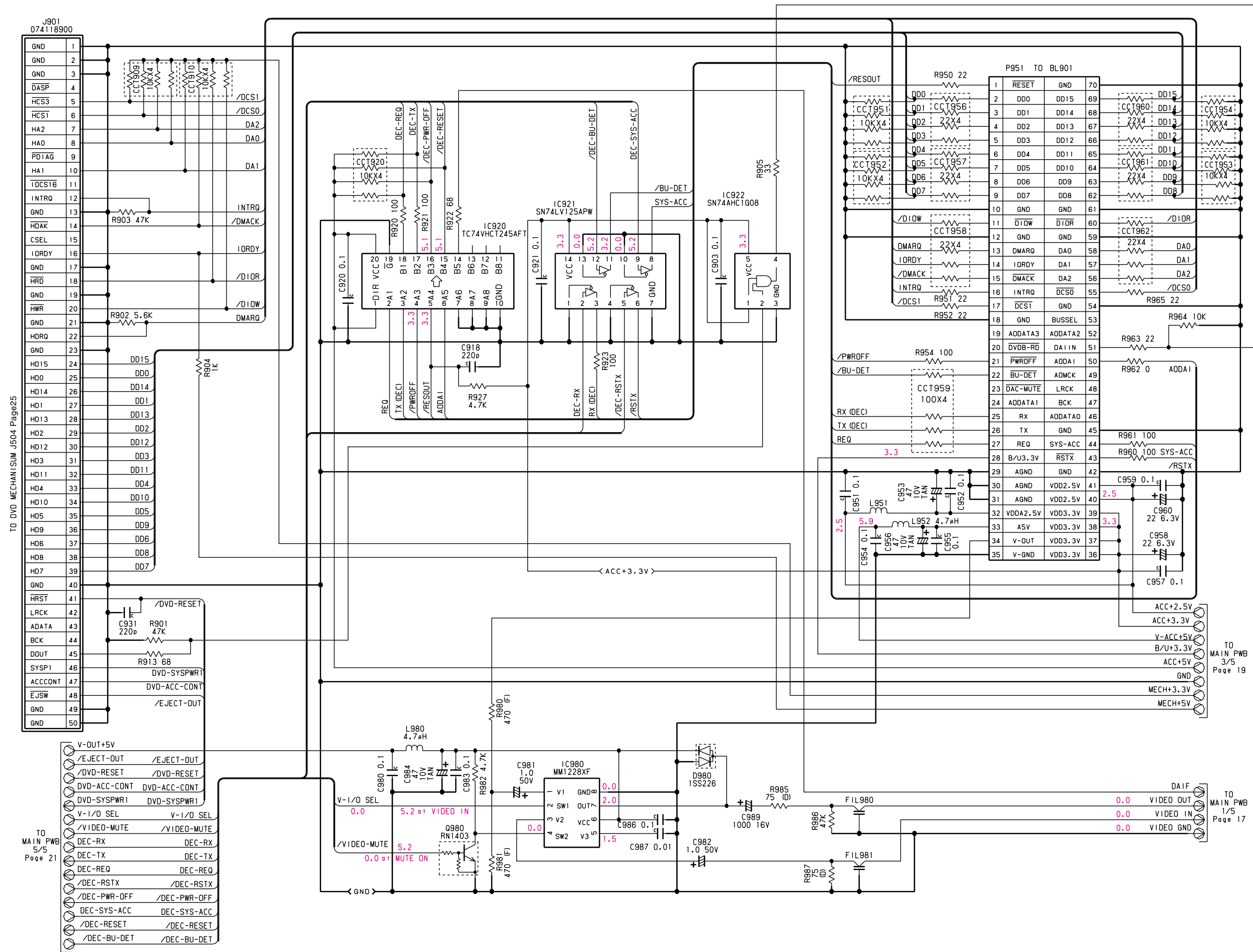


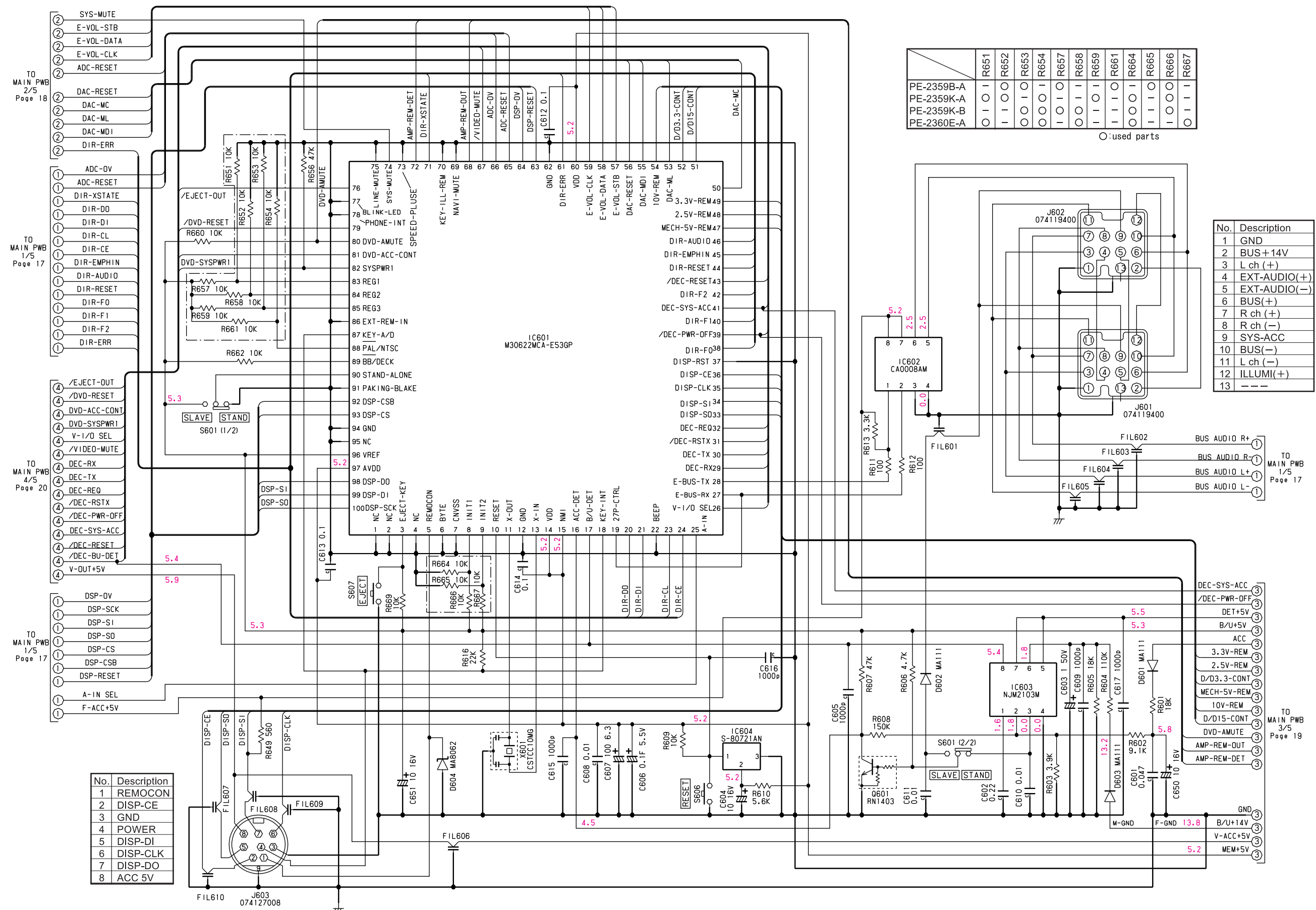


## DVD Disc. unit Section 3/5 (B1)



## DVD Disc. unit Section 4/5 (B1)



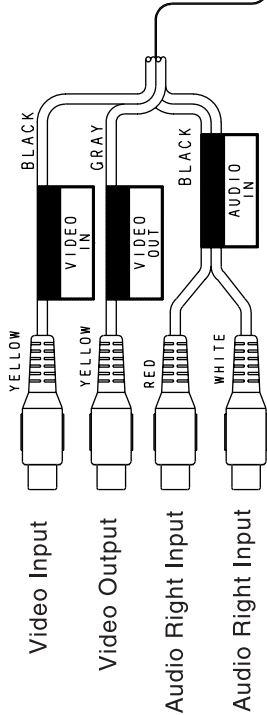




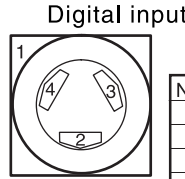
# PRINTED WIRING BOARD

## DVD Disc. unit Section 1/2 (B1)

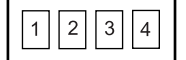
No.	Description
1	GND
2	BUS+14V
3	L ch (+)
4	EXT-AUDIO(+)
5	EXT-AUDIO(-)
6	BUS(+)
7	R ch (+)
8	R ch (-)
9	SYS-ACC
10	BUS(-)
11	L ch (-)
12	ILLUM(+)
13	---



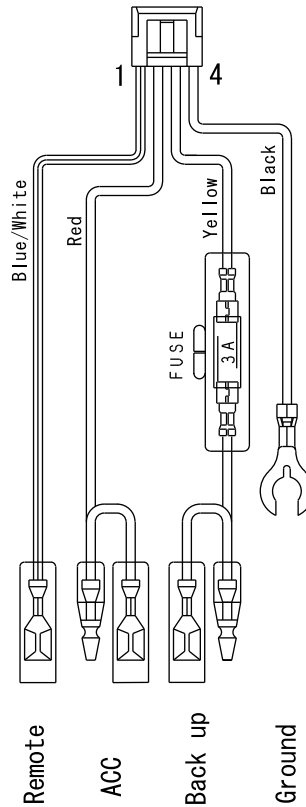
No.	Description
1	REMOCON
2	DISP-CE
3	GND
4	POWER
5	DISP-DI
6	DISP-CLK
7	DISP-DO
8	ACC 5V



No.	Description
1	F-GND
2	VCC
3	SIG-IN
4	S-GND



No.	Description
1	REMOTE
2	ACC+B
3	BACK UP
4	GROUND



Note) Those parts depend on each model. (※ 1)

PE-2360E-A

—	R667
R664	—
—	R662
R654	—
R653	—
—	R658
R651	—

PE-2359K-B

R666	—
R664	—
—	R662
R654	—
R653	—
—	R658
—	R657

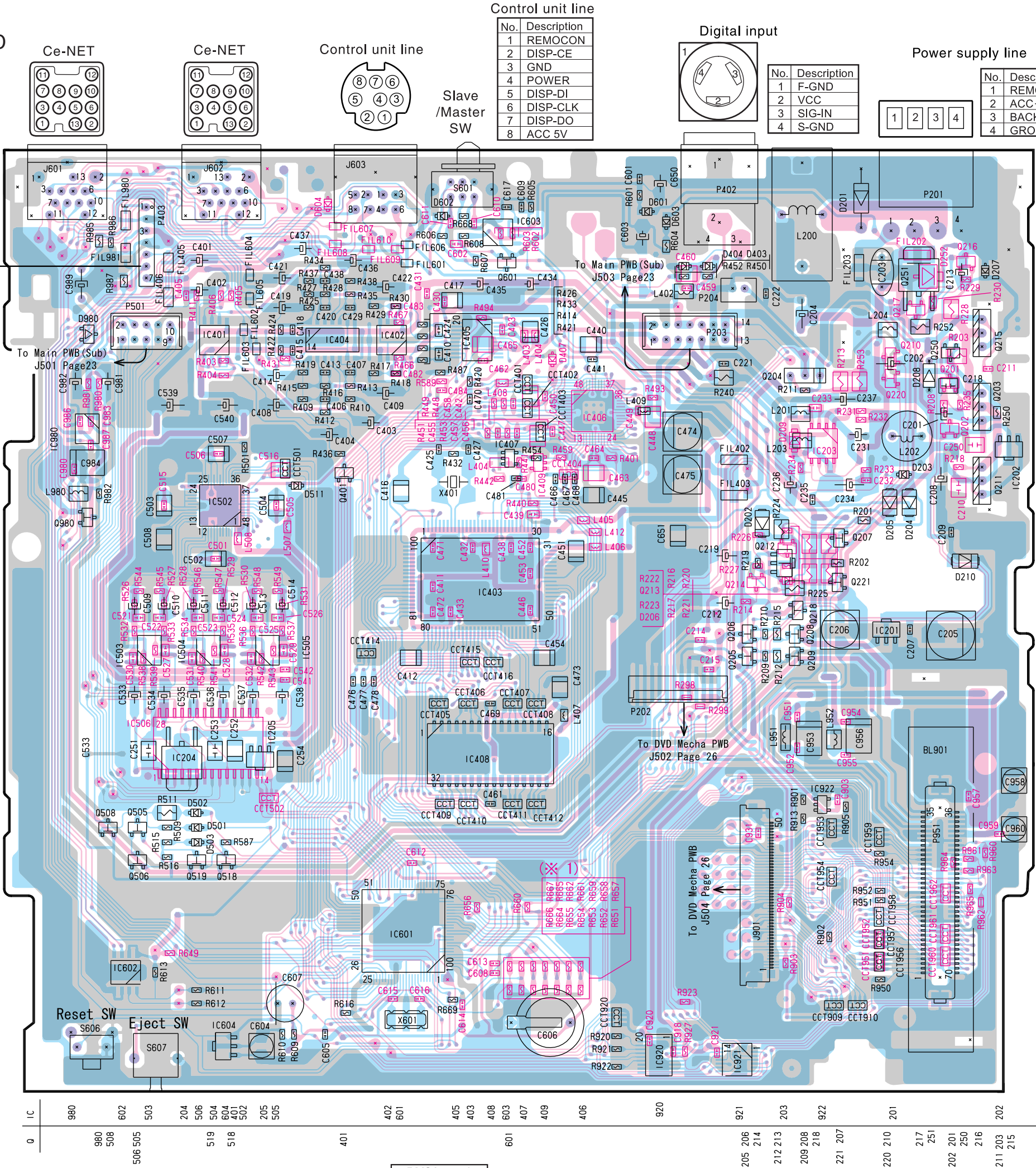
PE-2359K-A

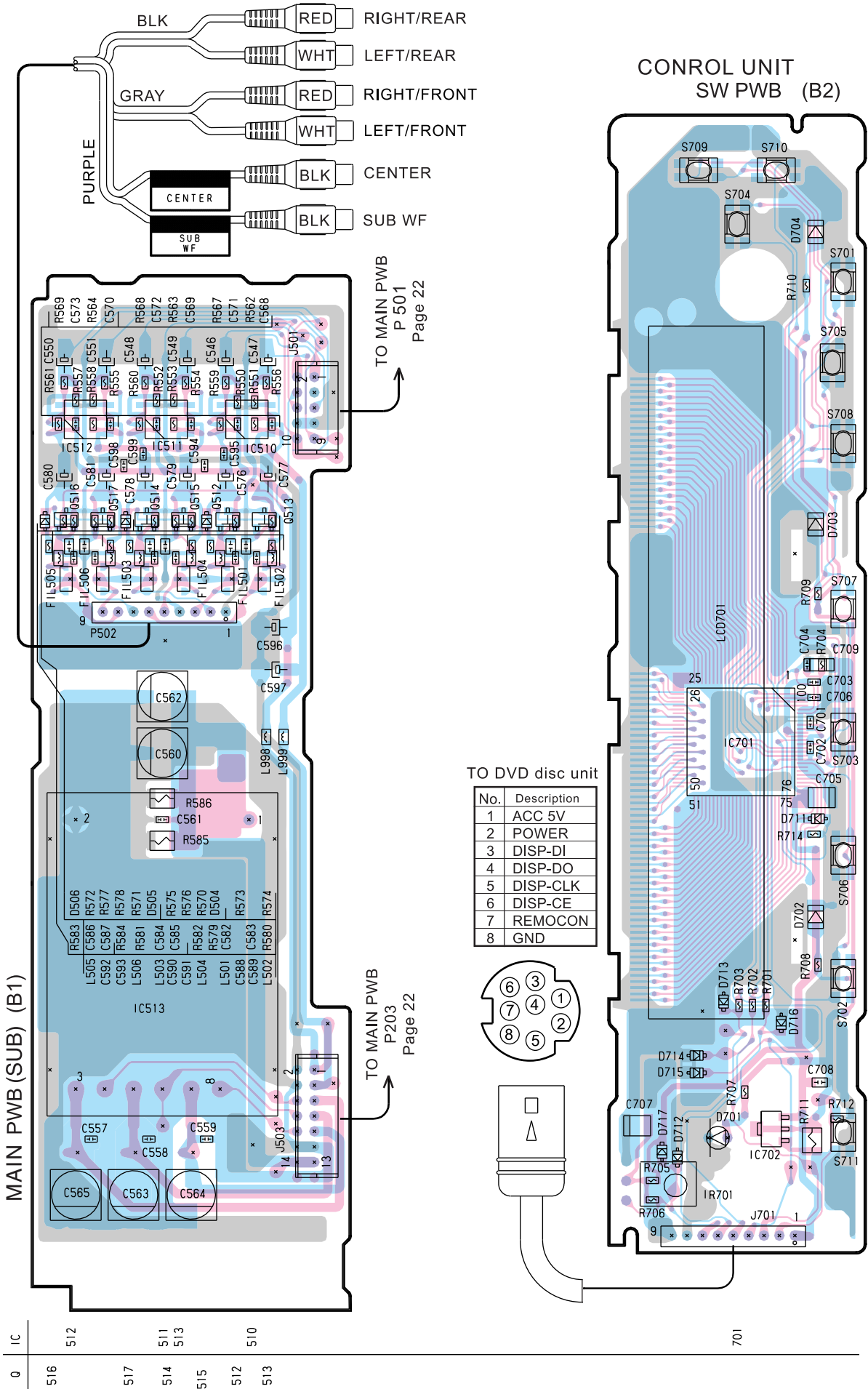
R666	—
R664	—
—	R662
R654	—
—	R659
R652	—
R651	—

PE-2359B-A

R666	—
—	R665
—	R662
—	R661
R653	—
R652	—
—	R657

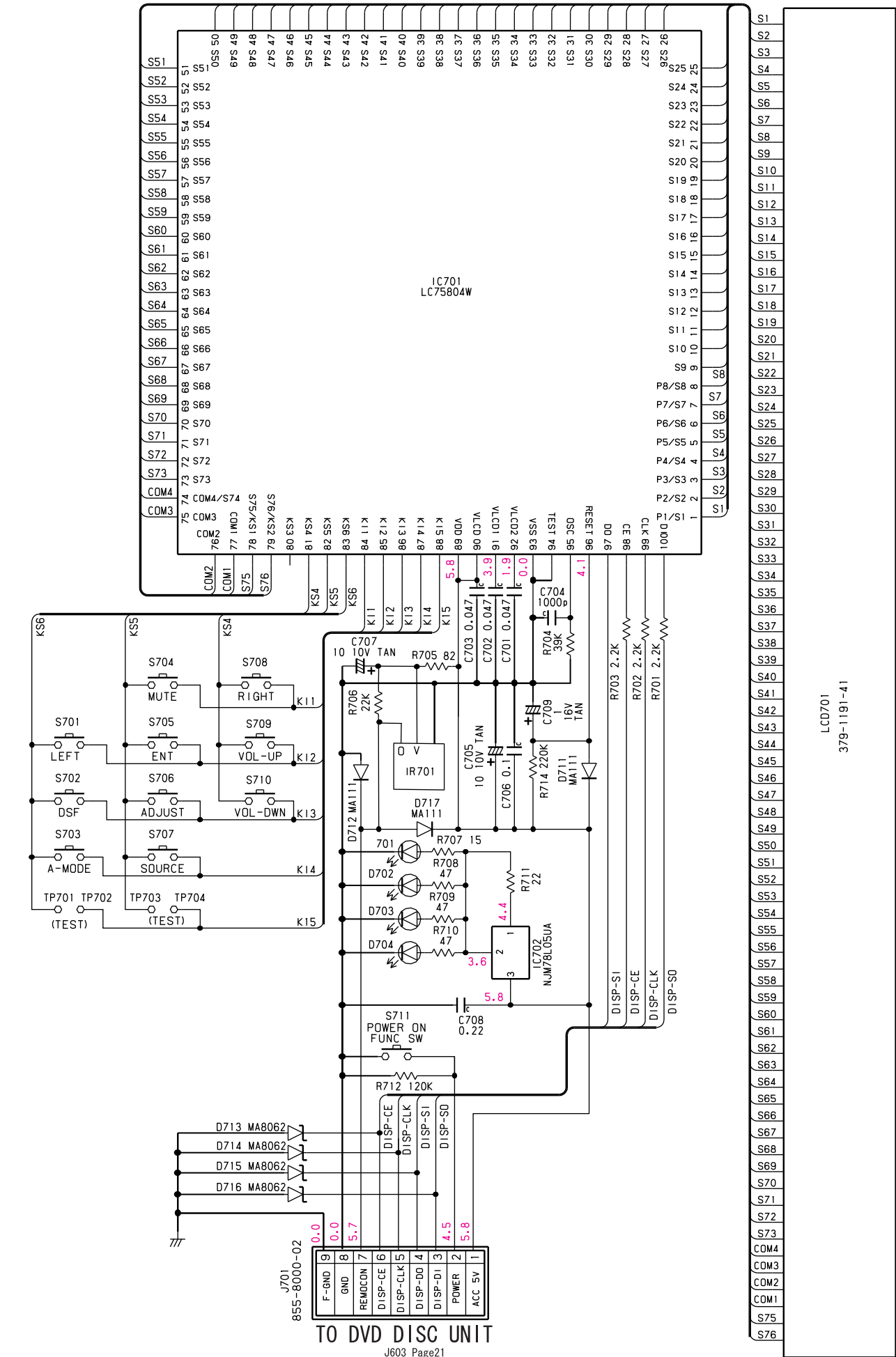
- is unused





CIRCUIT DIAGRAM

Control unit Section (B2)



DVS9755z/  
DVS970Z



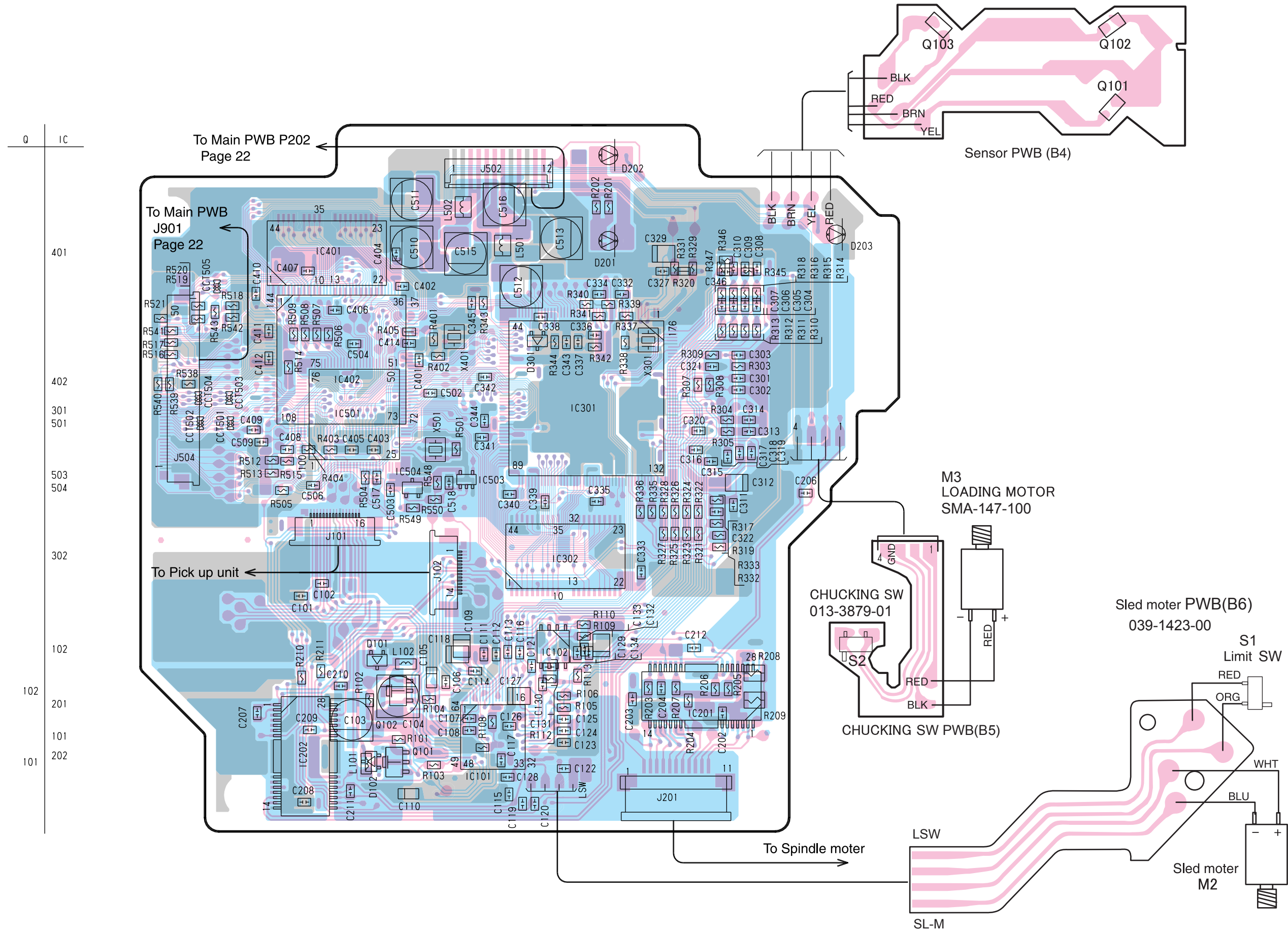
DVD MECHA PWB 2/2  
Page 27

The diagram illustrates the circuit board layout for the DVD MECHA PWB 2/2, Page 27. It features a central IC401 (MSM514265C) and IC402 (TC9469AF) connected to various components and connectors. Key components include:

- IC401 (MSM514265C):** A central processing unit with multiple pins connected to various components.
- IC402 (TC9469AF):** A control unit with multiple pins connected to various components.
- Connectors:** J502 (076047862), J504 (074118900), and J505 (074118900) are shown with their respective pin connections.
- Resistors:** R401, R402, R403, R404, R405, R406, R407, R408, R409, R410, R411, R412, R413, R414, R415, R416, R417, R418, R419, R420, R421, R422, R423, R424, R425, R426, R427, R428, R429, R430, R431, R432, R433, R434, R435, R436, R437, R438, R439, R440, R441, R442, R443, R444, R445, R446, R447, R448, R449, R450, R451, R452, R453, R454, R455, R456, R457, R458, R459, R460, R461, R462, R463, R464, R465, R466, R467, R468, R469, R470, R471, R472, R473, R474, R475, R476, R477, R478, R479, R480, R481, R482, R483, R484, R485, R486, R487, R488, R489, R490, R491, R492, R493, R494, R495, R496, R497, R498, R499, R500, R501, R502, R503, R504, R505, R506, R507, R508, R509, R510, R511, R512, R513, R514, R515, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R527, R528, R529, R530, R531, R532, R533, R534, R535, R536, R537, R538, R539, R540, R541, R542, R543, R544, R545, R546, R547, R548, R549, R550, R551, R552, R553, R554, R555, R556, R557, R558, R559, R560, R561, R562, R563, R564, R565, R566, R567, R568, R569, R570, R571, R572, R573, R574, R575, R576, R577, R578, R579, R580, R581, R582, R583, R584, R585, R586, R587, R588, R589, R590, R591, R592, R593, R594, R595, R596, R597, R598, R599, R600, R601, R602, R603, R604, R605, R606, R607, R608, R609, R610, R611, R612, R613, R614, R615, R616, R617, R618, R619, R620, R621, R622, R623, R624, R625, R626, R627, R628, R629, R630, R631, R632, R633, R634, R635, R636, R637, R638, R639, R640, R641, R642, R643, R644, R645, R646, R647, R648, R649, R650, R651, R652, R653, R654, R655, R656, R657, R658, R659, R660, R661, R662, R663, R664, R665, R666, R667, R668, R669, R670, R671, R672, R673, R674, R675, R676, R677, R678, R679, R680, R681, R682, R683, R684, R685, R686, R687, R688, R689, R690, R691, R692, R693, R694, R695, R696, R697, R698, R699, R700, R701, R702, R703, R704, R705, R706, R707, R708, R709, R710, R711, R712, R713, R714, R715, R716, R717, R718, R719, R720, R721, R722, R723, R724, R725, R726, R727, R728, R729, R730, R731, R732, R733, R734, R735, R736, R737, R738, R739, R740, R741, R742, R743, R744, R745, R746, R747, R748, R749, R750, R751, R752, R753, R754, R755, R756, R757, R758, R759, R760, R761, R762, R763, R764, R765, R766, R767, R768, R769, R770, R771, R772, R773, R774, R775, R776, R777, R778, R779, R780, R781, R782, R783, R784, R785, R786, R787, R788, R789, R790, R791, R792, R793, R794, R795, R796, R797, R798, R799, R800, R801, R802, R803, R804, R805, R806, R807, R808, R809, R810, R811, R812, R813, R814, R815, R816, R817, R818, R819, R820, R821, R822, R823, R824, R825, R826, R827, R828, R829, R830, R831, R832, R833, R834, R835, R836, R837, R838, R839, R840, R841, R842, R843, R844, R845, R846, R847, R848, R849, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R860, R861, R862, R863, R864, R865, R866, R867, R868, R869, R870, R871, R872, R873, R874, R875, R876, R877, R878, R879, R880, R881, R882, R883, R884, R885, R886, R887, R888, R889, R890, R891, R892, R893, R894, R895, R896, R897, R898, R899, R900, R901, R902, R903, R904, R905, R906, R907, R908, R909, R910, R911, R912, R913, R914, R915, R916, R917, R918, R919, R920, R921, R922, R923, R924, R925, R926, R927, R928, R929, R930, R931, R932, R933, R934, R935, R936, R937, R938, R939, R940, R941, R942, R943, R944, R945, R946, R947, R948, R949, R950, R951, R952, R953, R954, R955, R956, R957, R958, R959, R960, R961, R962, R963, R964, R965, R966, R967, R968, R969, R970, R971, R972, R973, R974, R975, R976, R977, R978, R979, R980, R981, R982, R983, R984, R985, R986, R987, R988, R989, R990, R991, R992, R993, R994, R995, R996, R997, R998, R999, R1000, R1001, R1002, R1003, R1004, R1005, R1006, R1007, R1008, R1009, R1010, R1011, R1012, R1013, R1014, R1015, R1016, R1017, R1018, R1019, R1020, R1021, R1022, R1023, R1024, R1025, R1026, R1027, R1028, R1029, R1030, R1031, R1032, R1033, R1034, R1035, R1036, R1037, R1038, R1039, R1040, R1041, R1042, R1043, R1044, R1045, R1046, R1047, R1048, R1049, R1050, R1051, R1052, R1053, R1054, R1055, R1056, R1057, R1058, R1059, R1060, R1061, R1062, R1063, R1064, R1065, R1066, R1067, R1068, R1069, R1070, R1071, R1072, R1073, R1074, R1075, R1076, R1077, R1078, R1079, R1080, R1081, R1082, R1083, R1084, R1085, R1086, R1087, R1088, R1089, R1090, R1091, R1092, R1093, R1094, R1095, R1096, R1097, R1098, R1099, R1100, R1101, R1102, R1103, R1104, R1105, R1106, R1107, R1108, R1109, R1110, R1111, R1112, R1113, R1114, R1115, R1116, R1117, R1118, R1119, R1120, R1121, R1122, R1123, R1124, R1125, R1126, R1127, R1128, R1129, R1130, R1131, R1132, R1133, R1134, R1135, R1136, R1137, R

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DVD Mechanism(B3) /Sensor PWB(B4) /Chucking switch PWB(B5) /Sled motor PWB(B6) Section



DVD Mechanism 2/2(B3) /Sensor PWB(B4) /Chucking switch PWB(B5) /Sled motor PWB(B6)Section

